



SEQUENCE LISTING

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<120> JAPANESE MACAQUE HERPESVIRUS NUCLEIC ACID SEQUENCES AND THEIR USE

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<151> 2002-11-13

<150> PCT/US01/16274

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<170> PatentIn version 3.2

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<210> 2
 <211> 98
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 2

Met Arg Trp Ala Trp Phe Ser Pro Phe Leu Ser His Gln Leu Gly Val
 1 5 10 15

Ser Asn His Ala Pro Ser Pro Gly Pro Thr Ser Ala Pro Leu Pro Ile
 20 25 30

Pro Leu Leu Pro Val Pro Ser Pro Ala Ser Met Leu Pro Ala Pro Thr
 35 40 45

Ala Leu Ser Val Arg Ser Pro Arg Ala Thr Cys Arg Ala Asp Leu Gly
 50 55 60

Arg Leu Pro Gly Gly Pro Gly Glu Gly Ser Gly Pro Val Ser Ser Cys
 65 70 75 80

Gly Pro Ala Thr Pro Ser His Ala Ala Gly Arg Leu Pro His Tyr Tyr
 85 90 95

Gln Pro

<210> 3
 <211> 425
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 3

Met Phe Val Leu Leu Ile Phe Ile Leu Leu Gln Pro Ala Ser Leu Glu
 1 5 10 15

Leu Leu Pro Ala Lys Leu Thr Ala Val Pro Thr Trp Cys Pro Pro His
 20 25 30

Pro Gly Asp Thr Tyr Leu Leu Thr Cys Arg Gly Thr Ser Thr Ala Arg
 35 40 45

Asp Gln Arg Ser Thr Gln Trp Phe Arg Asn Asn Thr Leu Met His Gly
 50 55 60

Ser Asn Phe Tyr Gly Arg Leu Val Ser Val Thr Pro Asn Ser Thr Ile
 65 70 75 80

Ser Asp Trp Tyr Ala Cys Gln Thr Lys Thr Thr Thr Arg Ser Asn Ser
 85 90 95

Ile Asp Phe Arg Val Arg Ser Ser Arg Leu Thr Leu Gln Glu Arg Cys
 100 105 110

Ser Ser Tyr Gly Tyr Ser Asn Ala Asn Asn Thr Arg Val Leu Arg Cys
 115 120 125

Tyr Ser Gly Gly Asn Val Thr Leu Arg Asn Val Val Phe His Leu Asn
 130 135 140

Gly Thr Ala Val Ile Asn Gly Thr Thr Thr Asp Ile Tyr Thr Phe Val
 145 150 155 160

Leu Thr Glu Lys Thr Gly Gly Thr Tyr Tyr Cys Ser Ala Phe Ile Gly
 165 170 175

Thr Glu Lys Leu Tyr Ser Gln Lys Ile Asn Val Phe Phe Thr Ser Phe
 180 185 190

Thr Phe Lys His Thr Asp Asn Val Gln Asn Gly Ser Glu Phe Asn Lys
 195 200 205

Thr Glu Gln Ile Gln Gln Thr Ala Asn Val Gln His Thr Ala Asn Tyr

210		215		220
Val Val Phe Ser Val Pro Val Phe Ser Ile Gly Val Leu Thr Gly Ile				
225		230		235 240
Ala Ile Ser Leu Ile Met Cys Trp Leu Phe Thr Leu Arg Cys Asn Lys				
	245		250	255
Asn Ser Glu Ser Ser Asn Asn Arg His Ala His Gln Thr Ser Tyr Ile				
	260		265	270
Gln Pro Ser His Asn Gln His Ser His Thr Ser Glu Ser Thr Thr His				
	275		280	285
Thr Tyr Arg Asn Asp His Gln Glu Glu Ser Ile Glu Glu Leu Pro Asn				
	290		295	300
Gln His Thr Arg Lys Thr Asn Ser Cys Gln Thr Val Leu Leu Glu Val				
305		310		315 320
Lys Asn Val Ala Phe Asp Gly Pro Gln Gly Asn Leu His Asn Thr Asn				
	325		330	335
Asp Glu Val Met Glu Gln Tyr Asp Asp Val Val Val Glu Asn Ile Glu				
	340		345	350
Gln Thr Ser Tyr Asp Asn Asn Ile Glu Gln Met Asp Tyr Ser Asp Ile				
	355		360	365
Ile Arg Pro Asn Phe Asn Tyr Tyr Ser Gly Leu Ile Leu Glu Glu Val				
	370		375	380
Asp Glu Val Phe Tyr Asn Glu Leu Ala Asn Gln Tyr His Gly Leu Ile				
385		390		395 400
Leu Glu Asn Leu Asp His Asp Glu Tyr Asn His Leu Asn Lys Leu Asn				
	405		410	415
Met Ile Glu Gln Tyr Asp Trp Leu Glu				
	420		425	

<210> 4
 <211> 193
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 4

Met Asp Ile Thr Val Asn Cys Ile Val Ala Val Asp Lys Gln Leu Gly
1 5 10 15

Ile Gly Lys Asn Gly Thr Met Pro Trp Pro Tyr Leu Lys Asn Glu Met
20 25 30

Met Tyr Phe Gln Lys Met Thr Ser Thr Pro Ser Val Ile Gly Glu Lys
35 40 45

Asn Val Val Ile Met Gly Lys Arg Thr Trp Phe Ser Ile Pro Glu Lys
50 55 60

Lys Arg Pro Leu Ala Asn Arg Ile Asn Ile Ile Leu Ser Arg Glu Leu
65 70 75 80

Arg Glu Pro Pro Lys Gly Ala His Phe Leu Ala Arg Thr Leu Asp Asp
85 90 95

Ala Phe Asn Phe Tyr Arg Gln Tyr Lys Leu Thr Lys Gln Leu Asn Thr
100 105 110

Val Trp Val Ile Gly Gly Lys Ser Val Tyr Glu Ser Val Leu Asn Tyr
115 120 125

Glu Cys Ser Leu Lys Leu Tyr Ile Thr Arg Ile Met Glu Ser Phe Asp
130 135 140

Cys Asp Val Phe Phe Pro Ser Ile Asn Phe Thr Glu Tyr Thr Met Leu
145 150 155 160

Ser Glu Leu Pro Gly Lys Asp Thr Asn Phe Glu Glu Asn Gly Ile Lys
165 170 175

Tyr Lys Phe Gln Val Tyr Glu Lys Arg Leu Ile Asn Lys Ala Val Thr
180 185 190

Gln

<210> 5

<211> 395

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 5

Met	Arg	Leu	Ile	Met	Phe	Trp	Phe	Pro	Val	Thr	Val	Cys	Phe	Val	Cys	1	5	10	15
His	Phe	Ile	Leu	Val	Asn	Ala	Gln	Asn	Glu	Thr	Asn	Val	Thr	Cys	Asp	20	25	30	
Lys	Pro	Asn	Phe	Asp	Arg	Phe	Met	Val	Ala	Met	Glu	Lys	Lys	Glu	Lys	35	40	45	
Tyr	Val	Leu	Gly	Asp	Lys	Val	Glu	Leu	Thr	Cys	Arg	Pro	Gly	Tyr	Thr	50	55	60	
Leu	Gln	Gly	Lys	Val	Tyr	Val	Gln	Cys	Leu	Gln	Ser	Gly	Met	Trp	Thr	65	70	75	80
Thr	Pro	Asn	Ala	Glu	Cys	His	Arg	Lys	Lys	Cys	Thr	Asn	Tyr	Gly	Asp	85	90	95	
Ile	Leu	Asn	Gly	Gln	Val	Ile	Val	Pro	Asp	Ser	Asp	Asn	Ala	Phe	Lys	100	105	110	
Phe	Gly	Thr	Asn	Ile	Thr	Tyr	Lys	Cys	Asn	Thr	Gly	Tyr	Leu	Leu	Leu	115	120	125	
Gly	Ser	Met	Val	Arg	Thr	Cys	Leu	Leu	Thr	Gly	Asn	Ser	Asn	Thr	Val	130	135	140	
Asn	Trp	Gln	Pro	Ala	Ala	Pro	Thr	Cys	Glu	Ile	Glu	Lys	Cys	Lys	Lys	145	150	155	160
Gln	Pro	Asp	Ile	Glu	Asn	Gly	Lys	Tyr	Tyr	Pro	Val	Gln	Asp	Phe	Tyr	165	170	175	
Asn	Tyr	Leu	Glu	Thr	Ile	Thr	Phe	Thr	Cys	Asn	Lys	Asp	Phe	Ser	Leu	180	185	190	
Ile	Gly	Asn	Thr	Thr	Thr	Thr	Cys	Met	Thr	Asn	Gly	Thr	Trp	Ser	Ser	195	200	205	
Pro	Val	Pro	Lys	Cys	Glu	Gln	Ile	Thr	Cys	Ser	Ala	Pro	Asn	Ile	Glu	210	215	220	
His	Gly	Thr	Leu	Leu	Val	Gly	Ser	Ser	Arg	Val	Tyr	Lys	His	Gly	Gln	225	230	235	240

Ser Ile Thr Ile Gly Cys Glu Asn Gly Phe Thr Leu Asn Gly His Lys
 245 250 255

Met Cys Thr Cys Glu Tyr Ser Ser Trp Asn Pro Pro Leu Pro Thr Cys
 260 265 270

Val Pro Ile Asn Lys Thr Val Pro Thr Pro Ser Glu Val Pro Ser Pro
 275 280 285

Gly Thr Asn Lys Gln Glu Arg Pro Thr Pro Glu Asn Pro Lys Ser His
 290 295 300

Glu Ser Glu Thr Thr Thr Glu Thr Pro Lys Thr Gly Thr His Lys Ser
 305 310 315 320

Glu Thr Pro Ser Lys Lys Ile Pro Asn Pro Glu Thr His Lys Pro Thr
 325 330 335

Thr Pro Lys Ser Gly Thr Ser Glu Gln Thr Thr Asn Arg Pro Ser Lys
 340 345 350

Ala Pro Ser Gln Asn Pro Pro Met Glu Pro Pro Met Ser Lys Trp Lys
 355 360 365

Arg His Val Val Leu Val Leu Phe Ala Ser Val Ala Ser Leu Leu Phe
 370 375 380

Val Leu Val Thr Leu Tyr Cys Cys Phe Leu Lys
 385 390 395

<210> 6
 <211> 1132
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 6

Met Ala Ser Lys Gly Asn Ala Gly Gln Pro Leu Glu Asp Asn Gln Gly
 1 5 10 15

Ser Arg Ala Pro Ile Gly Ala Cys Gly Tyr Val Tyr Ala Tyr Ser Lys
 20 25 30

Gln Asp Phe Pro Phe Ala Glu Ala Ser Ile Leu Gly Asn Arg Pro Ser
 35 40 45

Gly Ser Gly Val Phe Ser Leu Pro Ile Leu Tyr Gly Leu Thr Val Glu
 50 55 60

His Glu Phe Pro Leu Thr Val Lys Ala Ala His Lys Lys Val Asp Thr
 65 70 75 80

Thr Thr Leu Ala Val Lys Val Thr Cys Phe His Arg Glu Val Ile Val
 85 90 95

Phe His Asn Ala Asn Leu Phe Arg Pro Val Phe Glu Gly Thr Gly Leu
 100 105 110

Asn Glu Leu Cys Glu Glu Ala Arg Ala Leu Phe Gly Tyr Thr Gln Phe
 115 120 125

Ile Glu Pro Gly Pro Pro His Gly Ile Trp Asn Pro Leu Glu Cys Pro
 130 135 140

Gln Leu Pro Asp Lys Asp Glu Met Phe Leu Gly Val Val Val Thr Glu
 145 150 155 160

Gly Phe Lys Glu Arg Leu Trp Arg Gly Cys Leu Val Pro Ala Val Phe
 165 170 175

Gln Thr Gln Gln Val Gln Ile Ala Gly Arg Gln Ala Phe Lys Val Pro
 180 185 190

Leu Tyr Asp Glu Asp Leu Phe Ala Pro His Gly His Arg Met Pro Arg
 195 200 205

Phe Tyr His Lys Asp Val Ser Ala Tyr Leu Tyr Asn Ser Leu Phe Thr
 210 215 220

Ser Ile Ala Gln Ala Leu Arg Leu Lys Asp Val Thr Ala Val Ile His
 225 230 235 240

Ala Thr Glu Lys Gln Phe Met Gln Asp His Tyr Lys Ile Ala Lys Ile
 245 250 255

Val Gln Ala Lys Gln Phe Ser Thr Thr Leu Pro Lys Thr Ala Asp Gly
 260 265 270

Ser Ser His Met Ile Val Asp Ser Val Val Ala Glu Leu Ala Leu Ser
 275 280 285

Tyr Gly Cys Met Phe Leu Glu Cys Pro Gln Asp Ala Cys Glu Leu Leu
 290 295 300

Asn Tyr Asp Ser Trp Pro Ile Phe Asp Gly Cys Asp Ser Ser Glu Asp
 305 310 315 320

Arg Val Asn Ala Leu Glu Arg Trp Ser Ala Glu Gln Ala Val His Val
 325 330 335

Ala Gly Gln Leu Phe Ala Ala Asn Ser Val Leu Tyr Leu Thr Arg Val
 340 345 350

Gln Lys Gln Ala Pro Arg Gly Gln Lys Gly Asp Val Asn Val Tyr Asn
 355 360 365

Ser Phe Phe Leu Gln His Gly Leu Gly Phe Leu Asn Glu Ala Thr Ile
 370 375 380

Lys Glu Asn Gly Ser Glu Ala Phe Lys Gly Val Pro Ser Asn Ala Leu
 385 390 395 400

Asp Gly Ser Ser Phe Thr Pro Tyr His Leu Ala Tyr Ala Ala Ser Phe
 405 410 415

Ser Pro His Leu Leu Ala Lys Leu Cys Tyr Tyr Met Gln Phe Leu Gln
 420 425 430

His His Lys Ser Ser Thr Asn Gln Thr Phe Asn Ile Val His Tyr Val
 435 440 445

Gly Thr Ala Ala Asn Ser Glu Met Cys Thr Leu Cys His Gly Asp Thr
 450 455 460

Pro Gly Thr Cys Leu Asn Thr Leu Phe Tyr Arg Leu Lys Asp Arg Phe
 465 470 475 480

Pro Ala Val Thr Thr Pro Gln Arg Arg Asp Pro Tyr Val Val Thr Gly
 485 490 495

Thr Ala Gly Thr Phe Asn Asp Leu Glu Ile Leu Gly Asn Phe Ala Ser
 500 505 510

Phe Arg Asp Arg Glu Glu Asp Gly Asn Pro Ala Asp Glu His Pro Lys
 515 520 525

Tyr Thr Tyr Trp Gln Leu Cys Gln Thr Val Thr Glu Lys Leu Ser Ala
 530 535 540

Ile Gly Ile Thr Glu Asp Gln Asp Asn His Val Asn Leu Ile Thr Asn
 545 550 555 560

Ile Gln Ser Phe Leu Arg Val Phe Lys Gly Ile Asp Ser Val Val Asp
 565 570 575

Gly Glu Val Met Lys Phe Ile Asn Ser Met Ile Lys Asn Asn Phe Asn
 580 585 590

Phe Arg Glu His Val Lys Ser Val His His Ile Leu Gln Phe Cys Cys
 595 600 605

Asn Val Tyr Trp Gln Ala Pro Cys Ala Val Phe Leu Asn Leu Tyr Tyr
 610 615 620

Lys Ser Leu Leu Trp Ile Ile Gln Asp Ile Cys Leu Pro Tyr Cys Met
 625 630 635 640

Ile Tyr Glu Gln Asp Asn Pro Ala Met Gly Ile Leu Pro Ser Glu Trp
 645 650 655

Leu Lys Met His Phe Gln Thr Leu Trp Thr Asn Phe Lys Ala Ala Cys
 660 665 670

Leu Asp Arg Gly Val Leu Thr Gly Cys Glu Leu Lys Ile Val His Arg
 675 680 685

Asp Met Phe Cys Asp Phe Phe Asp Thr Asp Ala Gly Ser Asn Gly Leu
 690 695 700

Leu Ala Pro Phe Lys Met Gln Val Arg Ile Ala Arg Ala Met Met Val
 705 710 715 720

Val Pro Lys Ser Ile Lys Ile Lys Asn Arg Ile Ile Phe Ser Asn Thr
 725 730 735

Ala Gly Ser Glu Ala Val Gln Ser Gly Phe Val Lys Pro Thr Gly Thr
 740 745 750

Arg Asp Thr Tyr Val Val Ala Gly Pro Tyr Met Lys Phe Leu Asn Ser
 755 760 765

Leu His Arg Ala Leu Phe Pro Asn Thr Lys Thr Ala Ala Leu Tyr Leu
 770 775 780

Trp His Lys Ile Ser Gln Thr Asn Lys Thr Pro Val Leu Lys Asp Val
 785 790 795 800

Pro Asp Asp Glu Leu Ala Glu Leu Val Ser Tyr Val Lys Thr Asn Ser
 805 810 815

Leu Ala Phe Glu Glu Thr Asn Val Leu Asp Val Val Pro Asp Ser Leu
 820 825 830

Met Ser Tyr Ala Arg Ile Lys Leu Asn Gly Ala Ile Leu Arg Ala Cys
 835 840 845

Gly Gln Ile Gln Phe Tyr Ala Thr Thr Leu His Cys Leu Thr Pro Val
 850 855 860

Leu Gln Thr Ile Asp Ala Glu Glu Tyr Pro His Val Leu Gly Ser Ala
 865 870 875 880

Ala Ile Ala Thr Pro Val Ala Tyr Leu Ser Glu Ile Arg Gly Arg Thr
 885 890 895

Ala Leu Thr Val Gln Thr Thr Ala Arg Gln Pro Val Ala Ala Thr Gly
 900 905 910

Arg Leu Arg Pro Val Ile Thr Val Pro Met Val Val Asn Lys Tyr Thr
 915 920 925

Gly Val Asn Gly Asn Asn Asn Val Phe His Cys Gly Asn Leu Gly Tyr
 930 935 940

Phe Ala Gly Arg Gly Val Asp Arg Asn Leu Trp Pro Glu Ser Ser Pro
 945 950 955 960

Phe Lys Lys Thr Gly Val Ser Ala Met Leu Arg Lys Arg His Val Met
 965 970 975

Met Thr Pro Ile Val Asp Arg Leu Ile Lys Arg Ala Ala Gly Gln Thr
 980 985 990

Ile Ser Thr Phe Glu Ala Glu Ser Val Lys Arg Ser Val Gln Ala Leu
 995 1000 1005

Leu Glu Asp Lys Asp Asn Pro Asn Leu Leu Lys Ser Val Ile Leu
 1010 1015 1020

Glu Leu Ile Arg His Leu Gly Lys Gly Cys Gln Asp Leu Ser Ser
 1025 1030 1035

Glu Asp Val Gln Tyr Tyr Leu Gly Asp Tyr Cys Met Leu Thr Asp
 1040 1045 1050

Glu Val Leu Phe Thr Leu Asp Asn Ile Ala Gln Ser Gly Val Pro
 1055 1060 1065

Trp Thr Phe Glu Asp Ala Gly Ala Leu Ile Glu Asp Arg Gln Asn
 1070 1075 1080

Thr Asp Asp Leu Gln Phe Val Asp Ser Asp Asp Ile Ala Thr Ala
 1085 1090 1095

Ser Cys Gln Pro Pro Glu Glu Gln Leu Pro Thr Pro Ser Ala Gly
 1100 1105 1110

Ala Leu Leu Ala Gly Lys Lys Arg Lys Ile Asn Val Leu Leu Ser
 1115 1120 1125

Asp Leu Asp Leu
 1130

<210> 7
 <211> 104
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 7

Met Val Leu His Glu Leu Phe Phe Cys Gly Val Asp Asp Arg Arg His
 1 5 10 15

Val Phe Glu Ser Gln Gly Leu Gly Asp Thr Gly Lys Lys Gly Val Val
 20 25 30

Glu Val Arg Ala Asn Val Phe Met Val Lys Pro Arg His Pro Met Pro
 35 40 45

Val Arg Cys Glu Gln Val Phe Val Val Gln Arg His Phe Glu Arg Leu
 50 55 60

Thr Pro Gly Asp Leu His Leu Leu Gly Leu Lys His Cys Gly Asn Glu

65		70		75		80									
Thr	Ala	Pro	Pro	Gln	Ser	Leu	Leu	Lys	Pro	Phe	Arg	His	Asp	Asn	Ala
				85					90					95	

Lys Glu His Leu Ile Leu Val Arg
100

<210> 8
 <211> 88
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 8

Met	Ala	Pro	Phe	Ser	Leu	Ile	Leu	Ala	Tyr	Asp	Met	Arg	Glu	Ser	Gly
1				5					10					15	

Thr	Thr	Ser	Ser	Thr	Phe	Val	Ser	Ser	Asn	Ala	Arg	Leu	Leu	Val	Leu
			20					25					30		

Thr	Tyr	Asp	Thr	Ser	Ser	Ala	Ser	Ser	Ser	Ser	Gly	Thr	Ser	Phe	Arg
		35					40					45			

Thr	Gly	Val	Leu	Leu	Val	Trp	Glu	Ile	Leu	Cys	His	Arg	Tyr	Ser	Ala
	50					55					60				

Ala	Val	Leu	Val	Phe	Gly	Asn	Ser	Ala	Arg	Trp	Ser	Glu	Phe	Arg	Asn
65					70					75					80

Phe Met Tyr Gly Pro Ala Thr Thr
85

<210> 9
 <211> 86
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 9

Met	Gln	Arg	Cys	Gly	Val	Glu	Leu	Asn	Leu	Thr	Ala	Arg	Pro	Gln	Asn
1				5					10					15	

Gly	Pro	Val	Gln	Phe	Asn	Pro	Arg	Val	Arg	His	Glu	Gly	Ile	Arg	Asp
			20					25					30		

His	Val	Gln	His	Val	Arg	Phe	Leu	Glu	Arg	Glu	Ala	Val	Gly	Phe	Asp
		35					40					45			

Val Arg His Gln Leu Arg Gln Leu Val Val Arg Asp Val Phe Gln Asp
 50 55 60

Trp Gly Phe Val Gly Leu Gly Asp Phe Val Pro Gln Val Gln Arg Gly
 65 70 75 80

Gly Leu Gly Val Trp Glu
 85

<210> 10
 <211> 83
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 10

Met Phe Leu Ala Arg Cys Ser Thr Ser Ser Asp Arg Leu Asp Val Ser
 1 5 10 15

Thr Glu Phe Cys Leu Arg Ser Ser Gly Arg Arg Ser Arg Phe Arg Phe
 20 25 30

Ser Ile Cys Val Phe Val Phe Arg Met Arg Glu Pro Ser Ile Leu Arg
 35 40 45

Gly Ser Ala Lys Thr Thr Arg Leu Arg Ser Thr Ala Arg Ala Asp Ser
 50 55 60

Cys Ala Tyr Lys Ala Ala Ser Ser Leu Ala Ile Val Val Arg Arg Pro
 65 70 75 80

Arg Phe Ser

<210> 11
 <211> 686
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 11

Met Ala Arg Glu Leu Ala Ala Leu Tyr Ala Gln Leu Ser Ala Leu Ala
 1 5 10 15

Val Asp Leu Ser Leu Val Val Phe Ala Asp Pro Arg Ser Ile Asp Gly
 20 25 30

Ser Arg Ile Leu Lys Thr Lys Thr Gln Ile Glu Asn Leu Asn Arg Asp

35	40	45																	
Leu	Leu	Pro	Leu	Leu	Arg	Lys	Gln	Asn	Ser	Val	Glu	Thr	Ser	Ser	Leu				
50						55					60								
Ser	Leu	Glu	Val	Glu	His	Leu	Ala	Lys	Asn	Ile	Glu	Asp	Lys	Leu	Gly				
65					70					75					80				
Glu	Leu	Glu	Arg	Ser	Leu	Arg	Gln	Arg	Tyr	Ser	Ser	Arg	Glu	His	Phe				
				85					90					95					
Glu	Thr	Leu	His	Leu	Arg	Pro	Glu	Cys	His	Tyr	His	Ala	Thr	Val	Thr				
			100					105					110						
Phe	Glu	Phe	Tyr	Gly	Gly	Gly	Leu	Ile	Asp	Val	Asn	Met	Cys	Leu	Ile				
	115						120					125							
Asn	Asp	Val	Glu	Leu	Leu	Cys	Lys	Arg	Leu	Gly	Ser	Val	Phe	Tyr	Cys				
130						135					140								
Ile	Gly	Ala	Asn	Glu	Ala	Leu	Ser	Gly	Leu	Asp	Arg	Val	Leu	Ala	Phe				
145					150					155					160				
Leu	Ser	Thr	Leu	Arg	Gly	Ile	Ser	Pro	Ile	Pro	His	Pro	Asp	Leu	Tyr				
				165					170					175					
Val	Thr	Ser	Val	Pro	Cys	Val	Gln	Cys	Leu	Arg	Glu	Ile	Glu	Leu	Val				
			180					185					190						
Pro	Asn	Gln	Gly	Ser	Ser	Leu	Leu	Ala	Val	Leu	Ala	Asp	Arg	His	Cys				
	195						200					205							
Asp	His	Leu	Cys	Lys	Lys	Val	Arg	Ala	Glu	Pro	Ile	His	Gly	Leu	Phe				
210						215					220								
Glu	Thr	Glu	Leu	Ser	Gln	Leu	Gly	Leu	Lys	Val	Ala	Lys	Gly	Ser	Asp				
225					230					235					240				
Ala	Thr	Gln	His	Gly	Val	Arg	Ser	Ser	Ala	Asp	Gln	Leu	Arg	Glu	Ser				
				245					250					255					
Ser	Leu	Ala	Ala	Ile	Gln	Asp	His	Asn	Ile	Phe	Lys	Arg	Val	Ser	Ala				
		260						265					270						
Ser	Ile	Met	Glu	Leu	Ser	Asn	Leu	Ile	Tyr	Trp	Asn	Ala	Gly	Gln	Thr				

275				280				285							
Gly	Leu	Gln	Thr	Gly	Thr	Glu	Asn	Glu	Cys	Ser	Gln	Met	Ala	Lys	Leu
	290					295					300				
Leu	Thr	His	Glu	Ala	Glu	Met	His	Glu	His	Arg	Ala	Leu	Ile	Thr	Pro
305					310					315					320
Lys	Gln	Ser	Ala	Ala	His	Phe	Tyr	Asp	Cys	Phe	Arg	Pro	Asp	Pro	Ile
				325					330					335	
Glu	Ser	Leu	Phe	Cys	Gly	Gly	Leu	Phe	Asn	Ser	Ile	Asp	Asp	Thr	Ile
			340					345					350		
Asn	Ala	Leu	Ser	Arg	Asp	Cys	Ser	Val	Thr	Phe	Phe	Gln	Gln	Ala	Asn
		355					360					365			
Tyr	Thr	Asn	Val	Met	Arg	Lys	Gln	Asn	Glu	Leu	Phe	Thr	Arg	Leu	Asn
	370					375					380				
Ser	Ile	Leu	Cys	Gln	Gly	Ser	Ala	Gly	Ser	Gln	Lys	Pro	Ala	Thr	Pro
385					390					395					400
Ser	Glu	Pro	Arg	Thr	Ala	Thr	Val	Ala	Ala	Thr	Ala	Ala	Ser	Asp	Val
				405					410					415	
Ile	Lys	Asp	Ala	Gln	Tyr	Arg	Lys	Glu	Gln	Tyr	Met	Lys	Lys	Val	Ala
			420					425					430		
Arg	Asp	Gly	Phe	Lys	Lys	Leu	Thr	Glu	Cys	Leu	Gln	Thr	Gln	Ser	Ala
		435					440					445			
Val	Leu	Ala	Asn	Ala	Leu	Cys	Met	Arg	Val	Trp	Gly	Gly	Val	Ala	Tyr
	450					455					460				
Gly	Glu	Ala	Ser	Glu	Leu	Val	Asn	His	Phe	Leu	Leu	Arg	Arg	Arg	Phe
465					470					475					480
Val	Ala	Leu	Pro	Trp	Glu	Ala	Arg	Cys	Arg	Ser	Asn	Gln	Ile	Leu	Phe
				485					490					495	
Glu	Asn	Ser	Lys	Tyr	Ile	Lys	Asn	Ser	Leu	Tyr	Ser	Gln	Arg	Leu	Ser
			500					505					510		
Arg	Glu	His	Val	Glu	Ile	Ile	Thr	Leu	Gln	Phe	Tyr	Gly	Leu	Ile	Thr

515		520		525
Gly Pro Leu Thr Arg Gln Ser Asp Leu Phe Pro Gly Pro Ala Asn Val				
530		535		540
Val Leu Ala Gln Cys Phe Glu Ala Ala Gly Met Leu Pro His His Lys				
545		550		555
				560
Met Leu Val Ser Glu Met Ile Trp Pro Gln Ile Gln Pro Lys Asp Trp				
		565		570
				575
Ile Asp Gln Thr Phe Asn Arg Phe Tyr Gln Leu Pro Glu Gly Asp Leu				
		580		585
				590
Asn Ala Val Gln Lys Ser Ala Trp Cys Phe Ile Arg Glu Leu Val Leu				
		595		600
				605
Ser Val Ala Leu Tyr Asn Arg Thr Trp Glu Lys Thr Leu Arg Ile Phe				
		610		615
				620
Ser Leu Ala Arg Glu Lys Pro Ser Ile Ser Asp Leu Asp Val Lys Ser				
		625		630
				635
				640
Leu Thr Pro Gly Leu Tyr Leu Thr Tyr Glu Gln Asn Thr Pro Leu Val				
		645		650
				655
Leu Ile Ser Gln Asn Thr Gly Trp Ile Phe Lys Asp Leu Tyr Ala Leu				
		660		665
				670
Leu Tyr His His Leu Gln Leu Ser Asp Gly His Asp Asp Asn				
		675		680
				685
<210> 12				
<211> 107				
<212> PRT				
<213> Japanese Macaque Herpesvirus				
<400> 12				
Met Trp Gly Thr Ile Phe Phe Leu Asn Thr Ile Arg Met Pro Ser Trp				
1		5		10
				15
Cys Val Leu Ser Ser Val Pro Gly His Val Phe Ser Arg Leu Asn Leu				
		20		25
				30
Lys Ser Ser Pro Val Ala Glu Ala Leu His Thr Arg Asn Leu Asn Ala				
		35		40
				45

Ser Ala Leu Gly Gly Phe Ser Gly Gly Val Gly Val Asp Gly Pro Gly
 50 55 60

Val Asp Phe Ala Val Val Val Thr Pro Phe Gly Val Val Thr Phe Ser
 65 70 75 80

Pro Thr Ala Ala Pro Ile Ala Ile Ile Thr Thr His Ala Arg Ser Arg
 85 90 95

Arg Arg Val Arg Leu Val Ile Ile Met Ala Val
 100 105

<210> 13
 <211> 828
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 13

Met Met Ile Thr Asn Arg Thr Arg Arg Leu Leu Arg Ala Trp Val Val
 1 5 10 15

Ile Ile Ala Ile Gly Ala Ala Val Gly Glu Asn Val Thr Thr Pro Lys
 20 25 30

Gly Val Thr Thr Thr Ala Lys Ser Thr Pro Gly Pro Ser Thr Pro Thr
 35 40 45

Pro Pro Glu Asn Pro Pro Arg Ala Glu Ala Phe Lys Phe Arg Val Cys
 50 55 60

Ser Ala Ser Ala Thr Gly Glu Leu Phe Arg Phe Asn Leu Glu Lys Thr
 65 70 75 80

Cys Pro Gly Thr Glu Asp Lys Thr His Gln Glu Gly Ile Leu Met Val
 85 90 95

Phe Lys Lys Asn Ile Val Pro His Ile Phe Lys Val Arg Arg Tyr Arg
 100 105 110

Lys Val Ala Thr Ser Val Thr Val Tyr Arg Gly Trp Thr Glu Thr Ala
 115 120 125

Val Thr Gly Lys Gln Glu Val Ile Arg Pro Val Pro Gln Tyr Glu Ile
 130 135 140

Asn	His	Met	Asp	Thr	Thr	Tyr	Gln	Cys	Phe	Ser	Ser	Met	Arg	Val	Asn	
145					150					155					160	
Val	Asn	Gly	Ile	Glu	Asn	Thr	Tyr	Thr	Asp	Arg	Asp	Phe	Thr	Asn	Gln	
				165					170					175		
Thr	Val	Phe	Leu	Gln	Pro	Val	Glu	Gly	Leu	Thr	Asp	Asn	Ile	Gln	Arg	
			180					185					190			
Tyr	Phe	Ser	Gln	Pro	Val	Leu	Tyr	Thr	Thr	Pro	Gly	Trp	Phe	Pro	Gly	
		195					200					205				
Ile	Tyr	Arg	Val	Arg	Thr	Thr	Val	Asn	Cys	Glu	Ile	Val	Asp	Met	Ile	
	210					215					220					
Ala	Arg	Ser	Ala	Glu	Pro	Tyr	Ser	Tyr	Phe	Val	Thr	Ala	Leu	Gly	Asp	
225					230					235					240	
Thr	Val	Glu	Val	Ser	Pro	Phe	Cys	Leu	Asn	Asp	Ser	Thr	Cys	Ser	Val	
				245					250					255		
Ala	Asp	Lys	Ala	Glu	Asn	Gly	Leu	Gly	Val	Arg	Val	Leu	Thr	Asn	Tyr	
			260					265					270			
Thr	Ile	Val	Asp	Phe	Ala	Thr	Arg	Thr	Pro	Thr	Thr	Glu	Thr	Arg	Val	
		275					280					285				
Phe	Ala	Asp	Ser	Gly	Glu	Tyr	Thr	Val	Ser	Trp	Lys	Ala	Glu	Asp	Pro	
	290					295					300					
Lys	Ser	Ala	Val	Cys	Ala	Leu	Thr	Leu	Trp	Lys	Thr	Phe	Pro	Arg	Ala	
305					310					315					320	
Ile	Gln	Thr	Thr	His	Glu	Ala	Ser	Tyr	His	Phe	Val	Ala	Asn	Asp	Val	
				325					330					335		
Thr	Ala	Thr	Phe	Thr	Ser	Pro	Leu	Ser	Glu	Val	Ala	Asn	Phe	Thr	Gly	
			340					345					350			
Thr	Tyr	Ser	Cys	Leu	Asp	Asn	Val	Ile	Gln	Lys	Thr	Leu	Asn	Ala	Thr	
		355					360					365				
Ile	Lys	Lys	Leu	Ser	Asp	Thr	His	Ala	Ala	Asn	Gly	Ser	Ala	Gln	Tyr	
	370					375					380					

Tyr Glu Thr Glu Gly Gly Leu Phe Leu Leu Trp Gln Pro Leu Thr Gln
 385 390 395 400

Leu Ser Leu Val Asp Glu Met Arg Gly Leu Asn Asp Thr Thr Pro Ala
 405 410 415

Pro Pro Thr Thr Ser Thr Ala Ser Arg Val Arg Arg Ser Val Asp Thr
 420 425 430

Asn Ser Gln Thr Ala Glu Asp Leu Ala Ala Pro Gln Leu Gln Phe Ala
 435 440 445

Tyr Asp Lys Leu Arg Ala Ser Ile Asn Lys Val Leu Glu Glu Leu Ser
 450 455 460

Arg Ala Trp Cys Arg Glu Gln Val Arg Asp Thr Tyr Met Trp Tyr Glu
 465 470 475 480

Leu Ser Lys Ile Asn Pro Thr Ser Val Met Thr Ala Ile Tyr Gly Arg
 485 490 495

Pro Val Ser Ala Lys Phe Val Gly Asp Ala Ile Ser Val Thr Asp Cys
 500 505 510

Val Thr Val Asp Gln Gly Ser Val Ser Ile His Lys Ser Leu Arg Thr
 515 520 525

Ser Thr Pro Gly Ile Cys Tyr Ser Arg Pro Pro Val Thr Phe Arg Phe
 530 535 540

Leu Asn Ser Thr Thr Leu Phe Lys Gly Gln Leu Gly Pro Arg Asn Glu
 545 550 555 560

Ile Ile Leu Thr Asp Asn Gln Val Glu Ala Cys Lys Glu Thr Cys Glu
 565 570 575

His Tyr Phe Ile Ala Ser Asn Val Thr Tyr Tyr Tyr Lys Asp Tyr Val
 580 585 590

Phe Val Lys Lys Ile Asn Thr Ser Glu Ile Ser Thr Leu Gly Thr Phe
 595 600 605

Ile Ala Leu Asn Leu Ser Phe Ile Glu Asn Ile Asp Phe Arg Val Ile
 610 615 620

Glu Leu Tyr Ser Arg Ala Glu Lys Lys Leu Ser Gly Ser Val Phe Asp
625 630 635 640

Ile Glu Thr Met Phe Arg Glu Tyr Asn Tyr Tyr Thr Gln Arg Leu Ala
645 650 655

Gly Leu Arg Glu Asp Leu Asp Asn Thr Ile Asp Leu Asn Arg Asp Arg
660 665 670

Leu Ala Arg Asp Leu Ser Asp Ile Val Ala Asp Leu Gly Asp Val Gly
675 680 685

Arg Thr Val Val Asn Val Ala Ser Ser Val Ile Thr Leu Phe Gly Ser
690 695 700

Ile Val Ser Gly Phe Ile Asn Phe Ile Lys Ser Pro Phe Gly Gly Met
705 710 715 720

Leu Met Ile Leu Val Ile Val Ala Val Ile Leu Ile Val Phe Ala Leu
725 730 735

Asn Arg Arg Thr Asn Ala Ile Ala Gln Ala Pro Ile Arg Met Ile Tyr
740 745 750

Pro Asp Ile Asp Lys Met Gln Pro Ser Gly Gly Lys Val Asp Gln Glu
755 760 765

Gln Ile Lys Asn Ile Leu Ala Gly Met His Gln Leu Gln Gln Glu Glu
770 775 780

Arg Arg Arg Leu Asp Glu Lys Gln Arg Ser Ala Pro Ser Leu Phe Arg
785 790 795 800

Arg Ala Ser Asp Gly Leu Lys Arg Arg Phe Arg Gly Tyr Lys Pro Leu
805 810 815

Glu Asn Glu Glu Ala Gln Glu Tyr Glu Met Asn Lys
820 825

<210> 14

<211> 97

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 14

Met Gly Ala Trp Ala Met Ala Leu Val Arg Arg Phe Ser Ala Asn Thr
 1 5 10 15
 Ile Arg Met Thr Ala Thr Ile Thr Arg Ile Met Ser Met Pro Pro Asn
 20 25 30
 Gly Leu Phe Ile Lys Leu Met Asn Pro Leu Thr Ile Asp Pro Asn Arg
 35 40 45
 Val Ile Thr Leu Leu Ala Thr Leu Thr Thr Val Arg Pro Thr Ser Pro
 50 55 60
 Arg Ser Ala Thr Ile Ser Asp Arg Ser Arg Ala Arg Arg Ser Arg Phe
 65 70 75 80
 Arg Ser Ile Val Leu Ser Arg Ser Ser Arg Ser Pro Ala Ser Arg Cys
 85 90 95
 Val
 <210> 15
 <211> 1012
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 15
 Met Asp Phe Phe Asn Pro Tyr Leu Gly Pro Arg Gly Pro Arg Pro Pro
 1 5 10 15
 Ser His Lys Cys Thr Asp Ala Pro Ala Pro Ala Gly Ala Val Gln Pro
 20 25 30
 Pro Pro Asp Val Cys Arg Leu Ile Pro Ala Cys Leu Arg Thr Pro Gly
 35 40 45
 Ala Gly Gly Met Ile Pro Val Thr Ile Pro Phe Pro Pro Thr Tyr Phe
 50 55 60
 Glu Asn Gly Ala Arg Gly Asp Val Leu Leu Ala His Glu Arg Ser Met
 65 70 75 80
 Trp Thr Ala Arg Gly Gln Arg Pro Val Val Pro Asp Pro Gln Asp Gln
 85 90 95
 Ser Ile Thr Phe His Ala Tyr Asp Val Val Glu Thr Thr Tyr Ala Ala

100	105	110
Asp Arg Cys Ala Glu Val Pro Ser Arg Phe Gln Thr Asp Ile Ile Pro		
115	120	125
Ser Gly Thr Val Leu Lys Leu Leu Gly Arg Thr Glu Asn Gly Thr Ser		
130	135	140
Val Cys Val Asn Val Phe Arg Gln Gln Val Tyr Phe Tyr Ala Lys Val		
145	150	155
Pro Ala Gly Val Asn Val Thr His Val Leu Gln Gln Ala Leu Lys Asn		
165	170	175
Thr Ala Gly Arg Ala Ala Cys Gly Phe Ser Thr Arg Arg Val Thr Lys		
180	185	190
Lys Ile Leu Lys Thr Tyr Asp Val Ala Glu His Pro Val Thr Glu Ile		
195	200	205
Thr Leu Ser Ser Gly Ser Met Leu Ser Thr Leu Ser Asp Arg Leu Val		
210	215	220
Ala Cys Gly Cys Glu Val Phe Glu Ser Asn Val Asp Ala Val Arg Arg		
225	230	235
Phe Val Leu Asp His Gly Phe Thr Thr Phe Gly Trp Tyr Ser Cys Ala		
245	250	255
Arg Ala Thr Pro Arg Leu Ala Ala Arg Asp Ala Arg Thr Ala Leu Glu		
260	265	270
Phe Asp Cys Ser Trp Glu Asp Leu Ser Val Gln Ala Asp Arg Ser Asp		
275	280	285
Trp Pro Pro Tyr Arg Ile Val Ala Phe Asp Ile Glu Cys Met Gly Glu		
290	295	300
Ala Gly Phe Pro Cys Ala Thr Arg Asp Gly Asp Ala Val Ile Gln Ile		
305	310	315
Ser Cys Val Phe Tyr Thr Thr Arg Glu Gly Ala Pro Asn Pro Pro Asn		
325	330	335
Ile Leu Phe Ser Val Gly Thr Cys Asp Pro Ile Pro Asp Thr Asp Val		

340	345	350
Leu Glu Phe Pro Ser Glu Tyr Asp Met Leu Val Ser Phe Phe Ala Met 355 360 365		
Leu Arg Asp Phe Glu Val Asp Phe Leu Thr Gly Tyr Asn Ile Ser Asn 370 375 380		
Phe Asp Leu Pro Tyr Leu Ile Thr Arg Ala Ser Gln Val Tyr Asn Leu 385 390 395 400		
Arg Leu Asn Glu Tyr Thr Lys Ile Lys Thr Gly Ser Ile Phe Glu Val 405 410 415		
His Glu Pro Arg Gly Gly Gly Gly Gly Phe Met Arg Ser Val Ser Lys 420 425 430		
Ile Lys Ile Ala Gly Ile Val Pro Ile Asp Met Tyr Gln Val Cys Arg 435 440 445		
Glu Lys Leu Ser Leu Ser Asp Tyr Lys Leu Asp Thr Val Ala Arg Gln 450 455 460		
Cys Leu Gly Gly Lys Lys Glu Asp Val Ser Tyr Lys Asp Ile Pro Pro 465 470 475 480		
Leu Phe Arg Ser Gly Pro Gly Gly Arg Ala Lys Val Gly Ser Tyr Cys 485 490 495		
Val Met Asp Ser Val Leu Val Met Asp Leu Leu Lys Met Phe Met Ile 500 505 510		
His Val Glu Ile Ser Glu Ile Ala Lys Leu Ala Lys Ile Gln Ala Arg 515 520 525		
Arg Val Leu Thr Asp Gly Gln Gln Leu Arg Val Phe Ser Cys Leu Leu 530 535 540		
Glu Ala Ala Ala Arg Asp Asn Phe Ile Leu Pro Val Pro Thr Pro Glu 545 550 555 560		
Gly Gln Gly Gly Tyr Gln Gly Ala Thr Val Ile Asn Pro Ile Pro Gly 565 570 575		
Phe Tyr Asp Glu Pro Val Leu Val Val Asp Phe Ala Ser Leu Tyr Pro		

580	585	590
Ser Ile Ile Gln Ala His Asn Leu Cys Tyr Ser Thr Met Ile His Gly 595 600 605		
Arg Asp Leu His Leu His Pro Asn Leu Thr Pro Asp Asp Tyr Glu Thr 610 615 620		
Phe Val Leu Ser Gly Gly Pro Val His Phe Val Lys Lys His Lys Arg 625 630 635 640		
Glu Ser Leu Leu Gly Arg Leu Leu Thr Val Trp Leu Glu Lys Arg Arg 645 650 655		
Ala Ile Arg Arg Thr Leu Ala Ala Cys Asp Asp Pro Ser Leu Lys Thr 660 665 670		
Ile Leu Asp Lys Gln Gln Leu Ala Ile Lys Val Thr Cys Asn Ala Val 675 680 685		
Tyr Gly Phe Thr Gly Val Ala Ser Gly Leu Leu Pro Cys Ile Asn Ile 690 695 700		
Ala Glu Thr Val Thr Leu Arg Gly Arg Thr Met Leu Glu Met Ser Lys 705 710 715 720		
Ser Tyr Val Glu Ala Leu Thr Thr Asp Asn Leu Arg Thr Arg Leu Gly 725 730 735		
Arg Glu Val Thr Ala Cys His Gly Ala Arg Phe Arg Val Val Tyr Gly 740 745 750		
Asp Thr Asp Ser Leu Phe Ile Ala Cys Asp Gly Tyr Ser Ala Glu Ala 755 760 765		
Val Ser Ala Phe Cys Asp Asp Leu Ala Ala Arg Ile Thr Ala Asp Leu 770 775 780		
Phe Pro Pro Pro Ile Lys Leu Glu Ala Glu Lys Thr Phe Lys Cys Leu 785 790 795 800		
Leu Leu Leu Thr Lys Lys Arg Tyr Ile Gly Val Leu Leu Asn Asp Lys 805 810 815		
Met Val Met Lys Gly Val Asp Leu Ile Arg Lys Thr Ala Cys Lys Phe		

820					825					830					
Val	Gln	Glu	Arg	Cys	Arg	Ser	Ile	Leu	Asp	Leu	Val	Leu	His	Asn	Gln
		835					840					845			
Glu	Val	Lys	Ala	Ala	Ala	Arg	Leu	Leu	Cys	Lys	Arg	Pro	Pro	His	Ala
	850					855					860				
Val	Tyr	Glu	Glu	Gly	Leu	Pro	Ala	Gly	Phe	Ile	Lys	Ile	Val	Glu	Val
865					870					875					880
Leu	Asn	Ala	Ser	Tyr	Val	Asp	Leu	Arg	Asn	Ser	Val	Val	Pro	Ile	Glu
				885					890					895	
Gln	Leu	Thr	Phe	Ser	Thr	Glu	Leu	Ser	Arg	Pro	Val	Cys	Asp	Tyr	Lys
			900						905				910		
Thr	Thr	Asn	Leu	Pro	His	Leu	Ala	Val	Tyr	Gln	Lys	Leu	Ala	Ser	Arg
		915					920					925			
Cys	Glu	Glu	Leu	Pro	Gln	Val	His	Asp	Arg	Ile	Pro	Tyr	Val	Phe	Val
	930					935					940				
Asp	Ala	Pro	Gly	Ala	Leu	Lys	Ser	Asp	Leu	Ala	Glu	His	Pro	Asp	Tyr
945					950					955					960
Val	Lys	Gln	His	Gln	Ile	Pro	Val	Ala	Val	Asp	Leu	Tyr	Phe	Asp	Lys
				965					970					975	
Leu	Val	His	Gly	Ala	Ala	Asn	Ile	Leu	Gln	Cys	Leu	Phe	Gly	Asn	Asn
			980					985					990		
Ala	Asp	Thr	Thr	Val	Ala	Ile	Leu	Tyr	Asn	Phe	Leu	Asn	Val	Pro	Tyr
		995					1000					1005			
Lys	Leu	Phe	Ser												
	1010														
<210>	16														
<211>	186														
<212>	PRT														
<213>	Japanese Macaque Herpesvirus														
<400>	16														
Met	Leu	Arg	Asp	Val	Val	Arg	Phe	Glu	Asn	Phe	Phe	Gly	Tyr	Ser	Ser
1				5					10					15	

Gly Arg Glu Ala Ala Arg Gly Pro Ala Gly Gly Val Leu Glu Gly Leu
20 25 30

Leu Glu Asp Val Gly Asp Val Asp Ala Gly Trp Asp Leu Arg Val Glu
35 40 45

Ile Tyr Leu Leu Thr Glu His Val His Ala His Ala Gly Ala Val Leu
50 55 60

Gly Ser Pro Gln Glu Leu Glu His Gly Ser Ala Arg Asn Asn Val Arg
65 70 75 80

Leu Glu Ala Ala Arg Tyr Leu Gly Ala Pro Val Arg Arg Val Arg Arg
85 90 95

Phe Asn Asp Val Val Arg Val Lys Arg Asn Gly Leu Val Leu Gly Val
100 105 110

Arg Asp Asp Trp Pro Leu Ala Ala Arg Arg Pro His Gly Pro Phe Val
115 120 125

Gly Glu Gln His Val Ser Ala Arg Ala Val Phe Lys Val Arg Arg Arg
130 135 140

Glu Arg Asp Arg Asp Arg Asp His Pro Ala Cys Pro Arg Arg Ser Glu
145 150 155 160

Ala Gly Gly Asn Glu Pro Ala Asp Val Trp Trp Arg Leu Asn Gly Ala
165 170 175

Gly Gly Gly Gly Arg Ile Gly Ala Phe Val
180 185

<210> 17

<211> 102

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 17

Met His Arg Ser Ala Ala Gln His Glu Arg Leu Val Val Val Arg Arg
1 5 10 15

Gln Val Gly Val Gln Val Gln Val Ser Ser Val Tyr His Gly Gly Val
20 25 30

Ala Gln Val Val Arg Leu Asp Asp Ala Trp Val Gln Ala Gly Lys Ile
 35 40 45

Asp His Gln Asp Arg Leu Val Val Lys Pro Arg Asp Gly Val Asn His
 50 55 60

Arg Arg Ala Leu Ile Thr Pro Leu Ser Leu Gly Arg Trp Asp Arg Glu
 65 70 75 80

Asp Lys Val Ile Pro Gly Arg Gly Leu Gln Gln Ala Gly Glu His Ala
 85 90 95

Lys Leu Leu Ala Val Arg
 100

<210> 18
 <211> 101
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 18

Met Pro Leu His Pro Gly Pro Gly Ala Pro Gln Ser Gly Gly Gln Gly
 1 5 10 15

Gly Gly Ala Ala Val Val Gln Ala Thr Ala Ala Arg Gly Ile Arg Gly
 20 25 30

Gly Val Ala Gly Gly Leu Tyr Lys Asn Cys Gly Gly Pro Gln Arg Glu
 35 40 45

Leu Cys Gly Pro Ser Lys Gln Arg Arg Ala His Arg Ala Val Asn Val
 50 55 60

Leu Asp Arg Ala Gln Pro Pro Arg Leu Arg Leu Gln Asp His Gln Pro
 65 70 75 80

Ala Pro Pro Gly Gly Val Pro Glu Ala Gly Glu Gln Val Arg Gly Ala
 85 90 95

Ala Pro Gly Ala Arg
 100

<210> 19
 <211> 416
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 19

Met Leu Val Asn Glu Leu Ser Met Val Leu Gly Asp Trp Glu Val Thr
1 5 10 15

Phe His Arg Gly Lys Phe Ser Phe Val Asn Leu Ala Arg Leu Gln Thr
20 25 30

Phe Lys Gly His Gly Gly Tyr Ala Lys Ile Arg Leu Pro Phe Ser Leu
35 40 45

Asp Gln Leu Leu His Gln His Phe Ala Phe Gly Leu Val Thr Arg Leu
50 55 60

Asn Glu Leu Pro Pro Phe Ser Asp Cys Val Ala Leu Ile Ala Pro Arg
65 70 75 80

Asp Ser Gly Gly Asp Ala Asp Ala Ala Arg Val Ala Pro Gly Phe Val
85 90 95

Leu Asp Ser Ser Arg Pro Leu Thr Val Trp Val Asn Ala Asn Gly Arg
100 105 110

His Thr Val Arg Phe Cys Leu Leu Phe Leu Lys Pro Ile Asp Leu Glu
115 120 125

Arg Ala Val Thr Tyr Val Phe Gly Glu Asn Gly Gly Ala Arg Ser Glu
130 135 140

Gly Ala Pro Lys Pro Thr Cys Asn Thr Glu Ser Leu Pro Gly Gly Pro
145 150 155 160

Leu Arg Val Ser Gly Glu Ala Ser Gln Thr Ser Pro His Ser Phe Val
165 170 175

Ala Tyr Phe Pro Thr Ala Asp Pro Val Ala Cys Leu Ser Leu Leu Arg
180 185 190

Leu Gln Val Arg Pro Phe Ser Asp Asp Ala Ala His Arg Asp Ala Arg
195 200 205

Ile Ser Pro Lys Tyr Val Thr Phe Ser Asn Ala Gly Gly Asn Val Cys
210 215 220

Lys Ala Ser Val His Thr Leu Ser Pro Ser Arg Cys Lys Thr Ala Gln

225		230		235		240
Met Glu Ile Ile Tyr Ala Pro Gly Asp Pro Asn Ala Glu Ile Val Leu						
	245			250		255
Gly Gln Ser Gly Pro Val Leu Pro Thr His Thr Gly Gly Arg Val Leu						
	260		265		270	
Gly Val Tyr Ala Asp Ala Glu Lys Thr Ile Gln Pro Gly Ser Ser Ala						
	275		280		285	
Glu Val Arg Val Gln Leu Ile Phe Gln Gln Gly Ala Ala Ala Arg Gly						
	290		295		300	
Asp Leu Ala Phe Leu Val Ala Gly Val Ala Pro Glu Pro Leu Phe Ile						
305		310		315		320
Val Thr Pro Thr Leu Leu Leu Ser Gly Cys Thr Thr His Leu Arg Leu						
	325		330			335
Phe Asn Pro Asn Gly Thr Pro Thr Thr Ile Lys Arg Asp Thr Leu Val						
	340		345		350	
Ala Ala Ala Ala Pro Cys Pro Val Val Arg Val Ser Ser Ala Asp Asp						
	355		360		365	
Ala Pro Arg Asp Leu Val Ala Ser Pro Asp Thr Gly Ala Leu Ser Ile						
	370		375		380	
Asp Ala Phe Thr Ile Pro Val Gly Leu Pro Gly Val Val Ser Ala Glu						
385		390		395		400
Cys His Val Ser Met Arg Asp Asn Gly Val His Glu Arg Met Ser His						
	405		410			415

<210> 20
 <211> 91
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 20

Met Glu Ser Ala Pro Val Ser Gly Asp Ala Thr Arg Ser Arg Gly Ala
1 5 10 15

Ser Ser Ala Glu Leu Thr Arg Thr Thr Gly Gln Gly Ala Ala Ala Ala
20 25 30

Thr Arg Val Ser Leu Phe Ile Val Val Gly Val Pro Leu Gly Leu Asn
 35 40 45

Arg Arg Arg Cys Val Val Gln Pro Glu Ser Lys Ser Val Gly Val Thr
 50 55 60

Met Asn Arg Gly Ser Gly Ala Thr Pro Ala Thr Arg Asn Ala Arg Ser
 65 70 75 80

Pro Arg Ala Ala Ala Pro Cys Trp Lys Ile Asn
 85 90

<210> 21
 <211> 409
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 21

Met Gly Thr Pro Val Arg Phe Phe Arg Gly Glu Trp Gln Thr Ser Ser
 1 5 10 15

Leu Val Asp Asn Gly Thr Pro Arg Tyr Ser Ser Leu Val Trp Ala Ala
 20 25 30

Thr Ile His Asp Gly Tyr Leu Thr Leu Val Asn Arg Ser Glu Leu Cys
 35 40 45

Val Thr Glu Arg Ser Pro Cys Leu Pro Ala Cys Pro Ser Ile Gly Arg
 50 55 60

Leu Val Gly Lys Arg Phe Pro Gly Phe Ala Phe Ala Ser Ala Thr Leu
 65 70 75 80

Gly Asp Arg Gly Thr Arg Thr Val Phe Tyr Ala Phe Gly His Arg Asp
 85 90 95

Asn Pro Leu Asp Ile Val Pro Ala Val Val Glu Arg Ala Asp Arg Glu
 100 105 110

Leu Val Leu Arg Val His Ala Pro Arg Thr Thr Arg Val Ser Arg Tyr
 115 120 125

Gly Leu Lys Ile Phe Val Ala Ile Val Thr Val Val Arg Pro Pro Gly
 130 135 140

Val Phe Leu His Phe Pro Gln Asp Arg Val Pro Ile Ala Leu Thr Asp
145 150 155 160

Ala Cys Ser Gln Glu Gly Ser Arg Leu Thr Ser Glu Glu Pro Trp Ile
165 170 175

Lys Ile Gln Gly Phe Pro Val Leu Ser Asp Glu Thr Ala His Pro Phe
180 185 190

Leu Leu Thr Gln Lys Thr Lys Pro Phe Thr Glu Arg Lys Phe Cys Arg
195 200 205

Leu Ile Met Asp Asp Asn Gln Leu Ser Ala Val Asn Thr Val Tyr Leu
210 215 220

Gly Lys Gln His Val Arg Val Thr Val Thr Arg Pro Pro Glu Thr Ile
225 230 235 240

Val Thr Asp Gly Pro Val Thr Ala Thr Leu Ser Leu Thr Gly Asn Ala
245 250 255

Pro Ile Ala Phe Arg His Asn Pro Tyr Phe Glu Leu Pro Trp Ser Ser
260 265 270

Thr Thr Ala Ile Phe Thr Pro Val Val Tyr Val Gly Leu Thr Val Cys
275 280 285

Ile Pro Pro Asn Cys Ser Lys Phe Val Arg Tyr Gly Asn Thr Tyr Val
290 295 300

Ser Ala Phe Asn Arg Lys Leu Thr Ala Ile Ile Ser Asn His Ala His
305 310 315 320

Asp Gly Gly Phe Arg Ile Gln Asp Cys Glu Trp Pro Pro Asn Arg Glu
325 330 335

Ile Glu Ile Leu Val Thr Asn Val Thr Gln Ala Pro Val Tyr Val Ser
340 345 350

Thr Gly Thr Gln Leu Gly Arg Ala Ile Phe Val Phe Ala Pro Arg Phe
355 360 365

Gly Gly Pro Ala Lys Leu Arg Gln Leu Leu Gly His Arg Ser Arg Ala
370 375 380

Leu Glu Leu Pro Gly Gly Val Thr Val Asp Ser Gln Lys Leu Cys Arg
 385 390 395 400

Phe Glu Thr Met Tyr Leu Phe Ser Thr
 405

<210> 22
 <211> 207
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 22

Met Phe Pro Val Trp Phe Val Leu Phe Tyr Leu Ser Cys Trp Ala Ala
 1 5 10 15

Ser Pro Thr Leu Ala Pro Pro Pro Thr Ala Ala Gly Ile Asn Val Leu
 20 25 30

Pro Gln Trp Ala Gly Asn Arg Ala Ser Leu Asp Arg Thr Arg Gly Arg
 35 40 45

Leu Ser Glu Leu Gly Leu Asn Ile Gln Arg Trp Phe Val Tyr Leu Cys
 50 55 60

Tyr His Ser Thr Leu Cys Arg Val Arg Glu Tyr Pro Arg Ile Met Ser
 65 70 75 80

Phe Ile Asn Phe Pro Ile Leu Met Ser Asn Val Glu Cys Gln Arg Arg
 85 90 95

Glu Phe Arg Gly Ala Glu Cys Met Asn Ala Met Val Arg Gly Leu Arg
 100 105 110

Ala Tyr Glu Ser Tyr Leu Thr Arg Ser Lys Met Leu Leu Asp Asp Ala
 115 120 125

Pro Gly Asn Ala Gly Ala Ala Ala Ile Gly Ser Ala Val Thr Val Val
 130 135 140

Leu Ser Ala Leu Asn Ser Leu Ile Glu Glu Leu Pro Val Asp Asn Lys
 145 150 155 160

Ile Gly Gly Val Glu Ser Asn Asp Lys Ile Val Arg Ala Leu Ala Glu
 165 170 175

Gln Ser Pro Gly Asp Val Ile Leu Ser Ala Phe Arg Leu Leu Glu Tyr
 180 185 190

Leu Gln Met Phe Leu Arg Asp Gly Arg Arg Ala Ile Ala Met Met
 195 200 205

<210> 23
 <211> 333
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 23

Met Ile Val Leu Val His Leu Gly Ile Cys Tyr Val Lys Lys Ile Ile
 1 5 10 15

Pro Ala Cys Leu Ser Gly Ile Ala Ala Val Arg Cys Arg Val Ser Arg
 20 25 30

Gly Ser Glu Val Ala Ala Ala Arg Ala Pro Asp Gly Arg Gly Glu His
 35 40 45

Gly Glu Leu Gln Tyr Leu Ala His Leu Asp Leu Ile Ile Arg His Gly
 50 55 60

Val Gln Arg Asp Asp Arg Thr Gly Val Gly Thr Arg Ser Val Phe Gly
 65 70 75 80

Leu Gln Ala Arg Tyr Asn Leu Arg Asp Glu Phe Pro Leu Leu Thr Thr
 85 90 95

Lys Arg Val Phe Trp Arg Gly Val Val Glu Glu Leu Leu Trp Phe Ile
 100 105 110

Arg Gly Ser Thr Asp Ser Thr Glu Leu Ser Arg Arg Gly Val Lys Ile
 115 120 125

Trp Asp Ala His Gly Ser Arg Ala Phe Leu Ala Ala Gln Gly Phe Gly
 130 135 140

Asp Arg Arg Glu Gly Asp Leu Gly Pro Val Tyr Gly Phe Gln Trp Arg
 145 150 155 160

His Phe Gly Ala Glu Tyr Arg Gly Ala Asp Ala Asp Tyr Glu Gly Gln
 165 170 175

Gly Val Asp Gln Leu Arg Tyr Val Val Asp Leu Ile Val Arg Arg Pro

180	185	190
His Asp Arg Arg Ile Val Met Cys Ala Trp Asn Pro Ala Asp Leu Ala		
195	200	205
Arg Met Ala Leu Pro Pro Cys His Val Leu Cys Gln Phe Tyr Val Ala		
210	215	220
Arg Gly Glu Leu Ser Cys Gln Leu Tyr Gln Arg Ser Ala Asp Met Gly		
225	230	235
240		
Leu Gly Val Pro Phe Asn Ile Ala Ser Tyr Ala Leu Leu Thr Tyr Leu		
245	250	255
Ile Ala His Val Thr Gly Leu Thr Pro Gly Asp Phe Val His Thr Leu		
260	265	270
Gly Asp Ala His Val Tyr Asn Asn His Val Gly Pro Leu Leu Leu Gln		
275	280	285
Leu Gly Arg Thr Pro Arg Pro Phe Pro Arg Leu Lys Ile Leu Arg Lys		
290	295	300
Val Thr Arg Leu Glu Asp Phe Thr Arg Ala Asp Leu Ser Leu Glu Gly		
305	310	315
320		
Tyr Asp Pro His Pro His Ile Glu Met Glu Met Ala Val		
325	330	

<210> 24
 <211> 88
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 24

Met Cys Leu His Gly Gly Ala Ser Thr Met Thr Leu Lys Ile Asn Val
1 5 10 15
Phe Cys Gly Ser Cys Thr Met Arg Val Trp Leu Met Asn Ala Gly Gly
20 25 30
Asp Ser Gly Gly Asp Ala Gly Gly Asp Ser Gly Gly Asp Ala Gly Gly
35 40 45
Asp Ser Gly Gly Asp Ala Gly Gly Asp Ser Gly Gly Asp Ala Gly Gly
50 55 60

Asp Ser Gly Gly Asp Ala Gly Gly Asp Ser Gly Gly Asp Ala Gly Glu
65 70 75 80

Gly Pro Arg Gly Phe Thr Thr Arg
85

<210> 25
<211> 120
<212> PRT
<213> Japanese Macaque Herpesvirus
<400> 25

Met Arg Val Leu Val Ile Gly Ala Phe Phe Ala Val Phe Ala Cys Val
1 5 10 15

Val Asp Tyr Ala Phe Pro Met Gly Ser Met Ser Gly Pro Ala Pro Glu
20 25 30

Val Cys Cys Leu Gly Tyr Ile Asn Lys Leu Pro Pro Ser Gly Ala Val
35 40 45

Ala Leu Tyr Tyr Tyr Thr Ser Ser Gln Cys Thr Leu Asp Ala Val Ile
50 55 60

Leu Glu Thr His Arg Gly Gln Lys Leu Cys Ala Asn Pro Gly Asp Asp
65 70 75 80

Gly Val Arg Lys Leu Leu Gln Lys Val Asp Asn Arg Pro Lys Arg Asn
85 90 95

Lys Gly Arg Arg Thr Arg Arg Ser Leu Leu Asp Asp Ala Ser Asp Glu
100 105 110

Gly Leu Glu Ser Gly Ser Gly Phe
115 120

<210> 26
<211> 91
<212> PRT
<213> Japanese Macaque Herpesvirus
<400> 26

Met Arg Arg Val Cys Leu Gly Gly Gly Asp Phe Pro Phe Ile Ala Gly
1 5 10 15

Thr Gly Pro Leu Leu Val Leu Glu Ile Pro Phe Ser Thr Gly Ser Leu
20 25 30

Leu Arg Arg Lys Ala Val Tyr Leu Phe Gly Glu Ser Pro Phe Phe Arg
35 40 45

Thr Pro Gly Ala Thr Val Val Arg His Ala Arg Phe Gly Thr Arg Asp
50 55 60

Ala Thr Ser Gly Arg Glu Ala Arg Ala Pro Gly Gly Trp Pro Arg Leu
65 70 75 80

Val Ser Val Glu Ala Asp Pro Gly Arg Gly Tyr
85 90

<210> 27
<211> 112
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 27

Met Leu Phe Leu Val Ala Ile Gly Asp Ile Phe Arg Cys Pro Pro Asn
1 5 10 15

Asp Pro Val Arg Arg Gly Phe Phe Gly Ser Phe Gly Gly His Arg Lys
20 25 30

Met Phe Pro Arg Ala Arg Arg Ala Thr Val Glu Thr Ile Phe Ser Asp
35 40 45

Pro Leu Val Thr Pro Glu Pro Ala Pro Pro Arg Gly Ala Pro Cys Leu
50 55 60

Gly Ala Glu Gln Ser Val Leu Val Arg Thr Pro Asn Ala Gly Leu Ala
65 70 75 80

Val Pro Thr Pro Ala Arg Lys Thr Arg Gly Thr Pro Ala Gly Phe Tyr
85 90 95

Ala Ile Thr Leu Cys Tyr Phe Gly Val Gly Ala Pro Arg Cys Pro Cys
100 105 110

<210> 28
<211> 102
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 28

Met Ser Gly Val Ser Val Thr Arg Gly Ala Glu Ala Ala Gly Gly Gly
1 5 10 15

Val Gly Lys Asn Ser Gly Arg Arg Ala Arg Val Ser Val Met Thr Arg
20 25 30

Leu Asp Gly Gly His Leu Ala Ala Gly Gln Arg Arg Glu His Arg Glu
35 40 45

Arg Pro Ala Gly Gly Ala Ala Arg Asp Arg Ala Pro Arg Ser Val Lys
50 55 60

Met Ala Asp Arg Arg Arg Arg Leu Gly Ala Ala Asp Val Asn His Gly
65 70 75 80

Gly Glu Glu Arg Arg Trp Ser Gly Tyr Thr Ser Ile Thr Glu Gly Arg
85 90 95

Ala Gly Trp Gln Ile Ile
100

<210> 29

<211> 187

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 29

Met Ala Ala Ile Gln Gly Pro Pro Pro Leu Pro Glu Glu Glu Asn Glu
1 5 10 15

Asn Ser Leu Pro Asp Asp Val Tyr Ala Ile Glu Gly Ile Phe Leu Tyr
20 25 30

Cys Gly Leu Gly Gln Ala Glu Tyr Leu His His Pro Val Phe Ser Pro
35 40 45

Ile Lys Glu Phe Ile Ser Ser Phe Leu Lys Asp Ser Ala Arg Leu Tyr
50 55 60

Glu Arg Leu Leu Arg His Thr Asp Tyr Arg Ser Leu Arg Gly Leu Asn
65 70 75 80

Ala Ile Gly Gln Gly Met Leu His Ile Asn Thr Asp Gly Arg His Asn
85 90 95

Trp Gly Arg Ala Leu Ala Val Leu Gly Leu Gly Ala Tyr Val Val Asp
100 105 110

Lys Ile Arg Asp Asp Glu Arg Leu Leu Thr Phe Ala Ile Ala Val Leu
115 120 125

Pro Val Tyr Ala Tyr Glu Ala Leu Glu Ser Gln Trp Phe Arg Ser His
130 135 140

Gly Gly Trp Glu Gly Leu Arg Asn Tyr Cys Glu Arg Ile Leu Arg His
145 150 155 160

Arg Arg Asn Ala Arg Arg His Met Cys Tyr Gly Val Ala Ala Gly Leu
165 170 175

Leu Ala Leu Val Ala Leu Phe Ala Ile Arg Arg
180 185

<210> 30
<211> 536
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 30

Met Thr Ser Val Tyr Val Gly Gly Tyr Val Asp Val Val Ser Leu Pro
1 5 10 15

Lys Ile Glu Lys Asp Leu Tyr Leu Glu Pro Ser Ile Val Ala Thr Leu
20 25 30

Leu Pro Tyr Thr Asn Pro Leu Pro Ile Asn Ile Glu His Val Pro Glu
35 40 45

Ala His Val Gly His Thr Leu Gly Leu Phe Gln Val Thr His Gly Ile
50 55 60

Phe Cys Leu Gly Lys Leu Thr Ser Pro Asp Phe Leu Ala Leu Ala Ser
65 70 75 80

Arg Leu Ala Gly Asp Ser Arg Ala Ala Gln Ile Gln Leu Asn Pro Met
85 90 95

Pro Arg Asp Pro Leu Leu Glu Met Leu His Thr Trp Leu Pro Glu Leu
100 105 110

Ser Leu Ser Ser Leu His Pro Glu Glu Leu Gln Asp Pro Asn His Pro
 115 120 125

Pro Ala Phe Gln His Val Ser Leu Cys Ala Leu Gly Arg Arg Arg Gly
 130 135 140

Ser Ile Ala Val Tyr Gly Pro Asp Pro Thr Trp Val Val Ser Lys Phe
 145 150 155 160

Asp Ser Leu Thr Arg Asp Glu Ala Gly Lys Ile Thr Ser Lys Cys Leu
 165 170 175

Asp Leu Cys Glu Arg Gln Val Thr Pro Pro Glu Phe Ala Ala Pro Leu
 180 185 190

Glu Thr Leu Met Ala Lys Ala Ile Asp Ala Gly Phe Ile Arg Asp Arg
 195 200 205

Thr Asp Leu Leu Lys Thr Asp Lys Gly Val Ala Arg Val Ala Arg Ser
 210 215 220

Thr Tyr Leu Lys Ala Ser Gln Ser Pro Ser Ser Gln His Gly Gly Asn
 225 230 235 240

Arg Asp Thr Gln Thr Met Ser Ala Leu Pro Asp Asp Asn Ile Thr Ile
 245 250 255

Pro Lys Ser Thr Phe Leu Thr Met Val Gln Ser Ser Leu Asp His Met
 260 265 270

Arg Asn Gln Gly Gln Arg Ala Tyr Val Ser Ala Pro Pro Ser Met Pro
 275 280 285

Ala Thr Ala Ala Tyr Pro Ser Trp Ile Pro Pro Pro Glu Leu Thr Val
 290 295 300

Pro Ser Tyr Ala Pro Pro Val Ala Pro Pro Phe Pro Phe Gln Ser Ala
 305 310 315 320

Phe Ala Pro Gln Pro Ser Pro Tyr Ala Ala Thr Tyr Tyr Ser Pro Thr
 325 330 335

Tyr Gly Tyr Ala Gln Ala Pro Ser Arg His Gln Lys Arg Lys Arg Asp
 340 345 350

Val Glu Leu Ser Asp Glu Pro Val Phe Pro Gly Glu Glu Val Gly Ile
355 360 365

His Lys Asp Val Met Ala Leu Ser Lys Asn Ile Leu Asp Ile Gln Ala
370 375 380

Asp Leu Arg Asp Leu Lys Arg Ala Ala Ser Gln Thr Ser Gly Glu Lys
385 390 395 400

Asp Thr Asp Gln Arg Pro Gln Pro Pro Pro Val Gln Phe Ser Trp Pro
405 410 415

Gln Thr Tyr Ala Ser Ala Pro Tyr Leu Ala Tyr Gln Pro Gln Trp Tyr
420 425 430

Pro Gly Thr Asp Thr His Leu His Ala Ser Gln Pro Tyr Gln Ile Ala
435 440 445

Gln Gly Ile Gln Gln Thr Gln Pro Pro Pro Pro Gln Pro Ala Ser His
450 455 460

His Ala Gly Leu Ala Thr Gln Pro Val Ala Pro Ala Pro Ala Ala Gln
465 470 475 480

Glu Ser Ala Met Ser Asn Ala Val Pro Ser Ala Ser Ala Pro Arg Ala
485 490 495

Gly Ala Cys Pro Pro Leu Asp Ser Asp Cys Gly Gln Ser Ala Arg Ala
500 505 510

Pro Val Glu Ala Ser Val Gln Pro Ala Pro Val Ser Gln Ile Gln Lys
515 520 525

Met Phe Cys Glu Glu Leu Leu Lys
530 535

<210> 31
<211> 299
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 31

Met Phe Ile Gly Arg Gly Phe Val Tyr Gly Ser Arg Val Ala Thr Ile
1 5 10 15

Glu Gly Ser Lys Tyr Arg Ser Phe Ser Ile Phe Gly Arg Leu Thr Thr

			20					25					30		
Ser	Thr	Tyr	Pro	Pro	Thr	Tyr	Thr	Glu	Val	Met	Leu	Gly	Arg	Cys	Leu
		35					40					45			
Arg	Glu	Pro	Lys	Glu	Met	Ser	Ala	Gly	Leu	Arg	Gly	Leu	Met	Trp	Arg
	50					55					60				
Val	Ile	Arg	Cys	Glu	Asn	Leu	Asn	Thr	Phe	Leu	Pro	Gly	Glu	Leu	Arg
65					70					75					80
Phe	Leu	His	Leu	Val	Leu	Cys	Glu	Met	Tyr	Asn	Tyr	Gly	Leu	Asn	Val
				85					90					95	
Tyr	Leu	Leu	Lys	Glu	Ala	Ile	Ala	Asn	Thr	Gly	Thr	Arg	Asp	Asp	Ile
			100					105					110		
Val	Leu	Gly	Arg	Lys	Val	Pro	Val	Glu	Phe	Trp	Lys	Ile	Ile	Tyr	Asp
		115					120					125			
Gly	Leu	Arg	Glu	Met	Gly	Val	Ser	Asp	Ala	Thr	Leu	Leu	Ser	Glu	Thr
	130					135					140				
Lys	Arg	Gly	Ala	Leu	Trp	Leu	Tyr	Phe	Asn	Gly	Arg	Pro	Cys	Leu	Leu
145					150					155					160
Lys	Gly	Leu	Gly	Asp	Tyr	Val	Phe	Cys	Arg	Leu	Gly	Leu	Ser	His	Ser
				165					170					175	
Val	Arg	Val	Val	Pro	Glu	Asn	Leu	Thr	Asp	Gly	Asn	Tyr	Leu	Tyr	Asn
			180					185					190		
Leu	Gly	Ser	Val	Ile	Pro	Cys	Arg	Leu	Leu	Val	Ala	Leu	Ser	Tyr	Cys
		195					200					205			
Leu	Ala	Phe	Trp	Gly	His	Ala	Asp	His	Glu	Pro	Trp	Val	Arg	Leu	Phe
	210					215					220				
Ala	Gly	Lys	Ile	Phe	Ile	Leu	Tyr	Leu	Ile	Ile	Ser	Gly	His	Ile	Met
225					230					235					240
Pro	Arg	Lys	Ser	Ile	Leu	Glu	Gln	Val	Gly	Thr	Ser	Gly	Tyr	Gly	Gly
				245					250					255	
Phe	Val	Glu	Ala	Val	Cys	Arg	Asp	Val	Arg	Ala	Val	His	Gly	Ile	Pro

260 265 270

Ala Trp Asp Phe Ala Ala Ala Ala Pro Ala Leu Thr Ser Arg Gln Thr
 275 280 285

Asp Tyr Leu Phe Ala Phe Asn Asn Ser Val Val
 290 295

<210> 32
 <211> 97
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 32

Met Ser Pro Ala Ser Gly Ala Glu Leu Leu Leu Gly Val Leu Gly Ala
 1 5 10 15

Arg Arg Pro Arg Ala Leu Gly Gln Val Val Arg Arg Gln Asp Phe Tyr
 20 25 30

Thr Val Leu Asn Asn Ile Arg Pro His Tyr Ala Thr Lys Val Asn Leu
 35 40 45

Arg Thr Gly Gly Asn Val Arg Val Arg Trp Leu Cys Arg Gly Cys Val
 50 55 60

Ser Arg Arg Ser Arg Gly Pro Arg His Ser Gly Val Gly Phe Cys Gly
 65 70 75 80

Ser Gly Ser Gly Val Asn Val Ser Thr Asp Gly Leu Pro Val Cys Val
 85 90 95

Gln

<210> 33
 <211> 547
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 33

Met Arg Thr Ser Glu Lys Cys Cys Met Arg Tyr Pro Arg Lys Pro Ala
 1 5 10 15

Arg Gln Ile Thr Ala Thr Phe Trp Ala Pro His Pro Asn Asn Val Leu
 20 25 30

Phe Ile His Lys Pro Ser Leu Ile Glu Glu Arg Arg Asn Ala Phe Val
35 40 45
Met Arg Asn Gln Gln Leu Ala Leu Arg Val His Thr Leu Arg Lys Asn
50 55 60
Leu Leu Arg Leu Glu Leu Asp Asn Val Leu Gln Thr His Gln Arg Glu
65 70 75 80
Thr Glu Met Val Met Arg Asp Leu Asp Thr Ile Gln Asn Met Val Gly
85 90 95
Asp Leu Arg Ser Pro Thr Arg Glu Thr Ala Asp Thr Gln Thr Ser Ile
100 105 110
Asn Pro Arg Pro Lys Ile Ala Pro Gln Thr His Gly Asp Ala Phe Val
115 120 125
Val Thr Ile Ala Pro Gly Asp Pro Gly Phe Thr Val Asn Gln Asp Leu
130 135 140
Arg Leu Glu Leu Leu Pro Ser Leu Tyr Met Asn Gln Asn Gln Trp Leu
145 150 155 160
Pro Gln Tyr Gly Pro Trp Tyr Ser Ser Leu Thr Asp Asn Ala Met Gln
165 170 175
Arg Arg Val Phe Pro Arg Asp Leu Arg Gly Thr Thr Asn Phe Gln Asn
180 185 190
Ser Thr Ser Leu Lys Leu Met Ser Ala Val Ile Ser Thr Ala Ala Ser
195 200 205
Ile Thr Gln Asp Phe Tyr Ala Asp Val Arg Asn Val Ser Asp Thr Gln
210 215 220
Ala Ala Leu Cys Leu Leu Asn Gly Tyr Tyr Cys His Arg Thr Gly Thr
225 230 235 240
Pro Leu Pro Pro Thr Arg Asp Gly Leu Trp Asp Asn Leu Gly Thr Lys
245 250 255
Leu Ala Thr Leu Ile Ser His Leu Lys Gln Asn Thr Lys Gly Leu Gly
260 265 270

Phe Glu Phe Thr Tyr Ser Asn Pro Lys Gln Arg Ala Ser Leu Ala Pro
 275 280 285

Leu Asn Lys Glu Thr Lys Tyr Ser Ala Asp Phe Phe Thr Asn His Val
 290 295 300

Ile Tyr Ala Thr Leu Ala Gln Ser Gly Leu Leu Pro Gly Ser Lys Asn
 305 310 315 320

Pro Gly Thr Gly Gln Pro Pro Gly Pro Asp Leu Val Tyr Ile Leu Ala
 325 330 335

Thr Thr Leu Phe Ser Glu Asp Val Pro Pro Phe Gln Ala Tyr Gln Trp
 340 345 350

Asn Leu Arg Ala Gly Leu Ser Ala Leu Gly Cys Leu Val Leu Val Tyr
 355 360 365

Val Leu Leu Glu Leu Ala Gln Ile Thr Pro Arg Ser Pro His Arg Arg
 370 375 380

Leu Asn Leu Ala Ser Leu Leu Gly Gly Arg Phe Ser Lys Val Glu Asp
 385 390 395 400

Pro Ser Gly Ser Lys Gln Tyr Leu Lys Lys Gly Gln Leu Phe Asp Phe
 405 410 415

Leu Thr Glu Asn Tyr Ile Ser Pro Leu Leu Ser Arg Ala Pro Asp Ala
 420 425 430

Pro Thr Ser Phe Leu Phe Pro Gly Ala Tyr Leu Thr Ala Leu Glu Ala
 435 440 445

Lys Ala Ile Ser His Leu Lys His Thr Arg Pro Phe Val Asn Leu Thr
 450 455 460

Gly Ser Arg Phe Asn Glu Ile Phe Asp Ile Leu Asn Gln Lys Leu Thr
 465 470 475 480

Phe Arg Asp Ala Gly Ser Leu Ile Gln Ala Gln Thr Ser Leu Arg Leu
 485 490 495

Thr Ala Glu Glu Gly Leu Ala Ala Ile Leu Ser His Pro Ser Pro Pro
 500 505 510

Gly Leu Thr His Glu Ile Met Lys Ser Gln Phe Gly Val Tyr Asp Asp
515 520 525

Tyr Asp Lys Val Tyr Phe Leu Val Leu Gly Tyr Leu Pro Val Ala Thr
530 535 540

Ser Val Val
545

<210> 34
<211> 350
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 34

Met Thr Val Ala Asn Gln Cys Lys His Ala Ala Thr Leu Glu Ala Leu
1 5 10 15

Pro Ala Ser Arg Lys Arg Ala Gly Ile Arg Ala His Leu Ala Val Tyr
20 25 30

Arg Arg Leu Ile Lys His Arg Ser Leu Asp Asp Ile Leu Lys Phe Leu
35 40 45

Ser Ile Arg Pro Thr Arg Glu Ala Thr Lys Asp Val Lys Phe Arg Ile
50 55 60

Phe Phe Glu Val Thr Leu Gly Arg Arg Ile Ala Asp Cys Val Leu Thr
65 70 75 80

Val Asp Ser Glu His Gln Lys Thr Cys Tyr Val Ile Glu Leu Lys Thr
85 90 95

Cys Leu Ser Ala Ala Val Phe Pro Gly Asn Ala Ile Lys Ile Ser Gln
100 105 110

Arg Trp Gln Gly Leu His Gln Leu Thr Asp Ser Val Ala Tyr Ile Gly
115 120 125

Arg Ala Ala Pro Arg Gly His Glu Asn Trp Ser Val Arg Pro Trp Leu
130 135 140

Leu Phe Lys Asn Gln Lys Thr Leu Lys Thr Ile His Thr Glu Ser Ser
145 150 155 160

Ala Phe Pro Pro Thr Phe Ile Asn Thr Thr Ser Val Ala Leu Asn Gly
165 170 175

Phe Phe Ser Gln Trp Glu Asp Ala His Val Arg Lys Met Leu Tyr Glu
180 185 190

Ile Ser Thr Lys Thr Ser Ala Ala Asn Tyr Arg Asn Phe Leu Gly Pro
195 200 205

Thr Ser Lys Gln Arg Ser Val His Ser Gln Thr Ile Ala Asp Arg Arg
210 215 220

Lys Lys Lys Arg Val Cys Asp Ala Lys Ser Thr Ala Gly Ala Lys Gly
225 230 235 240

Ser His Ala Ala Lys Lys Pro Ala Pro Ser Arg Ala Arg Gln Arg Ala
245 250 255

Ala Asp Ala Pro Thr Gly Asn Arg Asn Gly His Ala Arg Pro Arg His
260 265 270

Asn Ser Lys His Gly Arg Gly Ser Ala Val Pro Asp Gln Gly Asn Arg
275 280 285

Arg Tyr Pro Asn Val Asn Lys Pro Thr Thr Gln Asn Arg Pro Ser Asp
290 295 300

Thr Trp Arg Arg Val Cys Cys His Asp Ser Pro Arg Arg Pro Gly Leu
305 310 315 320

His Gly Lys Pro Gly Ser Pro Ser Gly Ala Pro Ala Gln Pro Val His
325 330 335

Glu Pro Lys Pro Met Ala Ala Thr Ile Arg Ser Val Val Gln
340 345 350

<210> 35
<211> 556
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 35

Met Ala Glu Gly Gly Ser Gly Phe Gly Asp Glu Leu Val Arg Gln Met
1 5 10 15

Arg Asp Arg Lys Pro Arg Trp Asp Glu Ser Ser Asp Asp Thr Asp Asp

20				25				30							
Val	Asp	Thr	Glu	Ser	Thr	Asp	Leu	Glu	Tyr	Asp	Asp	Val	Phe	Pro	Val
	35						40					45			
Val	Asp	Thr	His	Gly	Leu	Thr	Ser	Pro	Gly	Ser	Gln	Asn	Tyr	Asp	Val
	50					55					60				
Pro	Thr	Ser	Pro	Ser	Gly	Thr	Pro	Trp	Glu	Leu	Leu	His	Pro	Asp	Ala
65					70					75					80
Leu	Tyr	Ala	Gln	Pro	Arg	Cys	Pro	Pro	Lys	Arg	Ala	Ala	Val	Pro	Gly
				85					90					95	
Gly	Gly	Ala	Arg	Pro	Lys	Val	Ser	Ala	Phe	Ser	Ala	Arg	Leu	Gln	Tyr
			100					105					110		
Val	Gly	Arg	Gln	Ser	Phe	Gly	Asp	Arg	Glu	Thr	Arg	Gln	Leu	Thr	Gly
		115					120					125			
Ala	Gln	Phe	Ser	Ser	Glu	Ser	Glu	His	Glu	Tyr	Ala	Glu	Ile	Pro	Glu
		130					135					140			
Arg	Thr	Thr	Arg	Pro	Val	Glu	Ser	Gly	Asp	Lys	Arg	His	Phe	Thr	Ser
145					150					155					160
Gly	Arg	Arg	Gly	Gly	Ile	Ser	Gly	Pro	Ser	Ser	Ser	Lys	Pro	Ser	Asn
				165					170					175	
Gly	Ala	Gly	Leu	Thr	Arg	Lys	Thr	Lys	Thr	Ser	Leu	Ser	Val	Ser	Leu
			180					185					190		
Lys	Asn	Leu	Leu	Arg	Ile	Lys	Asp	Asp	Asp	Val	Lys	Val	Asp	Val	Pro
		195					200					205			
Arg	Pro	Val	Thr	Val	Pro	Val	His	Leu	Met	Gln	Pro	His	Pro	Met	Thr
		210				215					220				
Glu	Tyr	Arg	Asn	Ala	Phe	Leu	Ile	Tyr	Leu	Glu	Gly	Val	Met	Gly	Val
225					230					235					240
Gly	Lys	Thr	Thr	Leu	Leu	Asn	Ser	Met	Thr	Gly	Met	Val	Pro	Gln	Glu
				245					250					255	
Asn	Val	Leu	Ser	Cys	Pro	Glu	Pro	Met	Lys	Phe	Trp	Thr	Cys	Val	Tyr

260	265	270
Ser Asn Cys Leu Lys Glu Gln Arg Ser Ile Val Lys Gln Gly Thr His		
275	280	285
Gly Lys Ser Ile Thr Ser Ala Arg Val Tyr Ala Cys Gln Ser Lys Phe		
290	295	300
Ala Leu Pro Phe Arg Ala Thr Ala Ala Gly Ile Gly Arg Asn Leu Gln		
305	310	315
Pro Trp Leu Val Gly Asn Gly Ser Thr Lys Pro Ala Asn Trp Ile Val		
	325	330
Phe Asp Arg His Leu Leu Ser Ala Thr Val Val Phe Pro Leu Val His		
	340	345
		350
Val Lys Tyr Asn Arg Leu Thr Pro Asp His Leu Phe Gln Ile Leu Ser		
	355	360
		365
Leu Phe Ser Ala His Asp Gly Asp Val Val Val Leu Leu Thr Leu Asn		
	370	375
		380
Ser Ser Glu Ala His Arg Arg Ile Gln Ser Arg Gly Arg Lys Glu Glu		
385	390	395
		400
Lys Gly Ile Thr Gln Asn Tyr Leu Arg Gln Val Ala Trp Ala Tyr His		
	405	410
		415
Ala Val Phe Cys Thr Trp Val Met Met Gln Tyr Leu Thr Pro Glu Gln		
	420	425
		430
Met Val Gln Leu Cys Val Gln Thr Val Ser Ile Glu Asp Ile Cys Asn		
	435	440
		445
Met Asn Ser Arg Leu Thr His Arg Phe Leu Thr Leu Thr Lys Leu His		
	450	455
		460
Glu Gln Ser Met Ile Pro Met Val Val Glu Met Leu Ala Ala Val Lys		
465	470	475
		480
Glu His Val Thr Leu Met Glu Val Cys Leu Gly Leu Phe Lys Glu Leu		
	485	490
		495
Arg Lys Leu Gln Ile Leu Ile Val Asp Ala Gly Glu His Leu Asp Asp		

500	505	510
Thr Cys Gly Leu Trp Gly Asn Ile Tyr Gly Gln Val Met Ser Asn Glu		
515	520	525
Ala Ile Lys Pro Arg Ala Val Asn Trp Pro Ala Leu Glu Ser Tyr Ile		
530	535	540
Gln Thr Leu Thr Ser Leu Glu Ser Asn Ala Ala Asn		
545	550	555
<210> 36		
<211> 118		
<212> PRT		
<213> Japanese Macaque Herpesvirus		
<400> 36		
Met Thr Tyr Pro Arg Leu Arg Pro Glu Arg Arg Gly Asn Tyr Cys Thr		
1	5	10 15
Arg Thr Leu Cys Met Arg Ser Arg Gly Ala His Leu Lys Gly Arg Pro		
20	25	30
Cys Arg Ala Val Val Arg Gly Pro Arg Cys Pro Arg Ser Arg Leu Asp		
35	40	45
Phe Asn Met Leu Asp Asp Arg Val Leu Gly Ile Glu Arg Arg Gly Ser		
50	55	60
Leu Pro Gly Pro Ser Phe Leu Pro Arg Ala Ser Thr Asn Met Arg Lys		
65	70	75 80
Tyr Arg Ser Val Leu His Ala Arg Leu Lys Ala Gly Thr Arg Asp Ile		
85	90	95
Leu Pro Leu Gly Val Gly Val Glu Phe Arg Asp Pro Arg Arg Gln Asn		
100	105	110
Leu Val Thr Val Arg Gly		
115		
<210> 37		
<211> 82		
<212> PRT		
<213> Japanese Macaque Herpesvirus		
<400> 37		

Met Ser Leu Val Pro Ala Phe Asn Arg Ala Cys Ser Thr Leu Arg Tyr
 1 5 10 15

Phe Arg Ile Phe Val Leu Ala Leu Gly Arg Lys Leu Gly Pro Gly Lys
 20 25 30

Leu Pro Arg Leu Ser Ile Pro Lys Thr Leu Ser Ser Asn Ile Leu Lys
 35 40 45

Ser Ser Arg Glu Arg Gly His Leu Gly Pro Arg Thr Thr Ala Arg His
 50 55 60

Gly Arg Pro Phe Arg Trp Ala Pro Arg Leu Arg Ile Gln Ser Val Arg
 65 70 75 80

Val Gln

<210> 38
 <211> 109
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 38

Met Phe Asn Phe Lys Ile Pro Phe Leu Phe Cys Asn Val Ser Cys Asn
 1 5 10 15

Val Ser Arg Ile Phe Glu Leu Ala Gln Ala Ser Cys Ile Thr Arg Glu
 20 25 30

Val Asn Thr Ser Leu Thr Phe Phe Gln Leu Ile Arg Tyr Arg Val Leu
 35 40 45

Leu Asn Ser Ser Ser Thr Val Asp Ile Ser Leu Leu Thr Gly Val Val
 50 55 60

Val Ala Gly Val Lys Arg Thr Ile Ser Ser Pro Gly Thr Phe Ser Ser
 65 70 75 80

Leu Tyr Ser Tyr Pro Leu Ile Thr Glu Asn Val Ile Thr Asn Lys His
 85 90 95

Lys Pro Trp Leu Ile Gly Cys Ile Ala Phe Gln Ala Gly
 100 105

<210> 39
 <211> 726
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 39

Met Gln Pro Ile Asn His Gly Leu Cys Leu Leu Val Ile Thr Phe Ser
 1 5 10 15

Val Ile Asn Gly Tyr Glu Tyr Asn Glu Glu Asn Val Pro Gly Leu Glu
 20 25 30

Ile Val Leu Phe Thr Pro Ala Thr Thr Thr Pro Val Lys Ser Asp Ile
 35 40 45

Ser Thr Val Glu Leu Glu Phe Asn Arg Thr Arg Tyr Arg Ile Asn Trp
 50 55 60

Lys Asn Val Ser Glu Val Leu Thr Ser Arg Val Ile Gln Asp Ala Trp
 65 70 75 80

Ala Ser Ser Lys Ile Leu Glu Thr Leu Gln Glu Thr Leu Gln Lys Arg
 85 90 95

Lys Gly Ile Leu Lys Leu Asn Met Ala Tyr Val Ser Asn Lys Glu Ile
 100 105 110

Asn Phe Cys Lys Ser Phe Ser Ser Ser Glu Ile Ile Asn Ile Thr Ser
 115 120 125

Asp Phe Asn Tyr Ser Ser Leu Pro Gly Phe Leu Gly Ser Phe Asp Val
 130 135 140

Ile Asn His Glu Leu Thr His Gly Val Leu Val Ser Lys Arg Glu Leu
 145 150 155 160

Phe Thr Asn Ala Leu Asp Ile Met Gly Leu Phe Tyr Ala Ile Lys Leu
 165 170 175

Asn Ala Glu Thr Phe Lys Ile Thr Phe Asp Glu Ser Lys Val Ile Ile
 180 185 190

Ser Gly Ile Met Thr Ala Asp Trp Ile Leu Val Ser Ile Ala Asn Ser
 195 200 205

Ser Ser Glu Val Asn Gly Gln Cys Val Ala Leu Leu Phe Gly Asp Pro

210		215		220
Glu Lys Phe Pro Pro Leu Lys Gly Tyr Val Ser Tyr Arg Asp Leu Val				
225		230	235	240
Val Val Arg Asn Asp Asn Tyr Ala Ile Ala Val Ile Ala Pro Met Ser				
	245		250	255
His Gly Thr Met Gly Leu Asn Phe Leu Pro Gln Asn Leu Thr Asp Ile				
	260		265	270
Phe Phe Ser Ile Leu Asn Ser Pro Leu Lys Val Ile Asn Tyr Leu Lys				
	275		280	285
Gly Lys Leu Phe Glu Leu Glu Ser Lys Gly Ala Cys Gln Asn Pro Ser				
	290		295	300
Asn Glu Gln Asn Ile Leu Ser Leu Phe Phe Glu Val Thr Ala Ile His				
305		310	315	320
Phe Leu Tyr Val Arg Asn Leu Asn Lys Glu Glu Pro Val Asn Val Gly				
	325		330	335
Cys Val Val Lys His Val Ala Ala Leu Lys Ser Leu Glu Arg Leu Phe				
	340		345	350
Lys Leu Cys Phe Pro Ala Phe Glu Leu His Ser Leu Asn Leu Trp Thr				
	355		360	365
Leu Ser His Leu Ala Ala Ser Gln Ile Ala Asn Leu Pro Pro Asn Asn				
	370		375	380
Val Met Ser Leu Thr Met Asp Glu Gln Glu Val Val Phe Ser Met Phe				
385		390	395	400
Lys Leu Ala Asp Asn Asn Asn Val Asn Glu Ile Ile Leu Asn Glu Ile				
	405		410	415
Ile Asn Ile Ser Asp Gln Met Tyr Thr Met Tyr Ser Asp Ile Tyr Gln				
	420		425	430
Leu Ser Asn Thr Tyr Arg Gln Thr Val Met Asp Ile Tyr Glu Val Leu				
	435		440	445
Thr Thr Val Ser Leu Thr Asn Val Gly Ala Arg Ala Val Tyr Pro Tyr				

450		455		460
Ile Leu Phe Thr Ser Met Cys Asn Asn Val Glu Ile Ser Tyr Met Ile				
465		470		475 480
Asn Gln Ile Ser Lys Pro Asp Asp Ile Thr Ile Phe Arg Val Phe Ser				
	485		490	495
Pro Cys Phe Leu Ser Leu Arg Phe Asp Leu Asp Glu Asn Lys Leu Arg				
	500		505	510
Ser Asp Ala Pro Gln Thr Ser Lys Arg Thr Gly Ser Glu Leu Ala Gln				
	515		520	525
Gly Ala Ser Gly Phe Trp Arg Leu Leu His Ala Phe His Ala Thr Arg				
	530		535	540
Ile Asn Glu Phe Ser Val Ile Asn Cys Thr Arg Leu Ala Trp Lys Gln				
545		550		555 560
Val Thr Ala Leu Met Pro Leu Thr Asn Ile Thr Tyr Val Ile Ser Ser				
	565		570	575
Val Arg Pro Asp His Ala Arg Val Tyr Glu Val Ser Glu Val Phe Leu				
	580		585	590
Asn Ser Ala Met Phe Val Ser Ala Val Tyr Pro Asn Cys Ser His Phe				
	595		600	605
Thr Pro Pro Gly Thr Ala Leu His Ile Pro Ile Leu Tyr Asn Phe Ser				
	610		615	620
Ala Pro Arg Ile Gly Cys Pro Leu Cys Asp Ser Ile Val Leu Ser Tyr				
625		630		635 640
Asp Glu Asn Gln Gly Leu Gln Thr Met Met Tyr Val Ser Asn Pro Gln				
	645		650	655
Val Gln Ala Asn Leu Phe Ser Pro Tyr Ser Pro Phe Phe Asp Asn Asp				
	660		665	670
Asn Phe His Ile His Tyr Leu Trp Leu Met Asn Asn Gly Thr Val Val				
	675		680	685
Glu Ile Arg Gly Leu Tyr Arg Arg His Ala Leu Ser Ala Ile Ala Phe				

690

695

700

Val Phe Ala Phe Ile Gly Thr Met Ser Ala Leu Tyr Phe Leu Phe Lys
 705 710 715 720

Leu Phe Ser Ile Leu Ala
 725

<210> 40
 <211> 99
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 40

Met Phe Ile Ile Ser Phe Lys Met Ile Ser Phe Thr Leu Leu Leu Ser
 1 5 10 15

Ala Ser Leu Asn Ile Glu Asn Thr Thr Ser Cys Ser Ser Ile Val Asn
 20 25 30

Asp Ile Thr Leu Phe Gly Gly Lys Leu Ala Ile Cys Asp Ala Ala Arg
 35 40 45

Cys Asp Asn Val His Lys Leu Ser Glu Cys Asn Ser Asn Ala Gly Lys
 50 55 60

His Asn Leu Asn Asn Leu Ser Lys Leu Phe Lys Ala Ala Thr Cys Phe
 65 70 75 80

Thr Thr His Pro Thr Phe Thr Gly Ser Ser Leu Phe Lys Phe Leu Thr
 85 90 95

Tyr Lys Lys

<210> 41
 <211> 187
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 41

Met Gly Ser Arg Gln Pro Gln Ile Gly Glu Ser Pro Ile Thr Ala Phe
 1 5 10 15

Asn Thr Val Thr Ile Met Gln Arg Ala Asn Asn Ser Ile Met Phe Leu
 20 25 30

Pro Asn Leu Lys Leu Lys Pro Ile Gln His Leu Phe Leu Lys His Val
 35 40 45

Leu Leu Gln Arg Leu Gly Leu Glu Asn Ile Leu Phe His Phe Lys Met
 50 55 60

Leu Tyr Ala Asn Thr Cys Lys Ala Ala Ala Pro Tyr Gln Arg Glu Tyr
 65 70 75 80

Phe Glu Ser Met Leu Ser Arg Val Lys Gln Arg Leu Glu Asp Met Val
 85 90 95

Phe Cys Leu Asn Ser Ile Glu Ser His Asn Phe Gln Lys Asp Phe Lys
 100 105 110

Val Thr Ser Arg Ala Pro Gln Gln Leu Leu Thr Ala Thr Asp Lys Tyr
 115 120 125

Phe Leu Met Phe Pro Pro Gln Asn Arg Asp Leu Ala Ile Gln Val Gly
 130 135 140

Ala Glu Val Ile Glu Ser Ile Cys Asp Gly Thr Pro Leu Phe Glu Val
 145 150 155 160

Leu Ala Asn Leu Asn Pro Arg Val Thr Ile Gln Lys Glu Thr Gly Asn
 165 170 175

Asn Leu Leu Lys Phe Tyr Ala Leu Leu Thr Val
 180 185

<210> 42
 <211> 103
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 42

Met Ile Val Thr Val Leu Asn Ala Val Ile Gly Leu Ser Pro Ile Cys
 1 5 10 15

Gly Trp Arg Glu Pro Met Ala Lys Asn Met Ser Ala Ser Lys Gln Ser
 20 25 30

Asp Cys Thr Ser Glu Ser Leu Val Ala Gly Gly Cys Leu Arg Met Asp
 35 40 45

Arg Ser Phe Leu Ser Ser Asp Val Lys Gly Ala Leu His Lys Val Gly
 50 55 60

Gly Ala Phe Gly Ser Tyr Ser Cys Val Val Phe Ala Ser Ser Phe Met
 65 70 75 80

Val Ile Cys Leu Leu Phe Val Arg Val Thr Gly Gly Val Leu Thr Val
 85 90 95

Thr Trp Thr Glu Asn Gly Leu
 100

<210> 43
 <211> 128
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 43

Met Ile Lys Ile Pro Asp Leu Lys Ala Arg Leu Val Gly Gly Ala Val
 1 5 10 15

Gln Leu Ser Asn Gly Glu Tyr Val Cys His Val Val Tyr Ser Ser Ala
 20 25 30

Leu Ala Ala Met Val Gly Leu Pro Gly Pro Ala Val Pro Leu Pro Leu
 35 40 45

Leu Phe Lys Lys Phe Gly Thr Ile Tyr Ser Asn Met Met Pro Leu Tyr
 50 55 60

Ala Pro Lys Arg Pro Glu Leu Ser Met Leu Arg Ile Met Val Ser Pro
 65 70 75 80

His Pro Tyr Ala Leu Asn Ser Cys Leu Cys Val Gly Thr Asp Glu Gly
 85 90 95

Glu Arg Gly Val Ser Leu Phe Arg Asp Pro Val Ile Arg Ser Ser Asp
 100 105 110

Phe Asp Asp Thr Pro Ile Thr Val Arg Leu Lys Ile Ser Asp Arg Glu
 115 120 125

<210> 44
 <211> 733
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 44

Met Met Leu Leu Gln Gly Pro Val Leu Leu Pro Ala Cys Pro Ala Thr
1 5 10 15

Ala Thr Ala Asp Thr Pro Ser Pro Ala Asn Ser Asp Phe Lys Thr Gln
20 25 30

Leu Ala Ile Phe Cys Cys Leu Ala Thr Asn Asn Glu Ile Leu Glu Asn
35 40 45

Val Ser Leu Glu Val Leu Asp Arg Ala Met Glu Thr Glu Thr Thr Phe
50 55 60

Tyr Ala Cys Arg Ala Leu Arg Arg Leu Val Leu Gly Glu Gly Leu Tyr
65 70 75 80

Pro Phe Ile His Arg Gln Gly Gly Ile Val Gly Lys Thr Gly Asn Glu
85 90 95

Tyr Ala Gly Pro Gly Leu Ile Ile Asp Asp Ala Ile Gly Cys Thr Phe
100 105 110

Ser His Ile Glu Thr His Thr Phe Leu Pro Thr Val Phe Thr Tyr Glu
115 120 125

Leu Ser Asp Thr Val Trp Val Gln Arg Asp Glu Arg Ile Leu Arg Ser
130 135 140

Leu Tyr Cys Ser Pro Leu Met Val Cys Gly Val Asn Tyr Gln Ser Met
145 150 155 160

Phe Arg Ile Leu Cys Arg Tyr Leu Gln Ile Trp Glu Phe Glu Glu Cys
165 170 175

Phe Ala Ala Phe Thr Arg Thr Leu Pro Glu His Leu Ile Gly Thr Cys
180 185 190

Tyr Gln Asn Tyr Phe Lys Leu Leu Glu Pro Phe Lys Thr Leu Thr Leu
195 200 205

Ala Arg Cys Pro Pro Pro Cys Ala Lys Leu His Leu Asn Tyr Leu Lys
210 215 220

Phe Asn Ile Leu Gly Phe Thr Ser Asp Trp Ile Ser His Pro Glu Leu
225 230 235 240

His Arg Val Gln Thr Val Ile Ile Tyr Asn Ile Glu Ser Asn Pro Val
245 250 255

Leu Leu Lys Asn Leu Ser Lys Gln Asn Lys Phe Gln Asp Ile Arg Val
260 265 270

Ala Ser Glu Leu Ile Ile Asp Tyr Gln Asn Ile Val Asn Gln Ser Leu
275 280 285

Gly Val Asn Leu Gln Val Lys Ile Asn Lys Lys Asp Pro Gly Lys Lys
290 295 300

Pro Tyr Lys Val Val Val Val Thr Pro Lys Ser Thr Tyr Tyr Leu Thr
305 310 315 320

Phe Pro Pro Glu Val Pro Ile Phe Arg Val Ala Met Cys Met Ser Val
325 330 335

Ala Glu His Val Cys His Ser Cys Asp Arg Leu Tyr Pro Asn Thr Glu
340 345 350

Phe Leu Gly Pro Gly Glu Thr Pro Arg Val Leu Glu Ala Met Phe Ser
355 360 365

Arg Ile Gln Tyr Ala Pro Lys Asp Arg Asp His Asn Phe Ile Phe Asp
370 375 380

Ala Asn Gln Asn Pro Asp Arg His Lys Gln Val His His Asp His Gln
385 390 395 400

Thr Glu Pro Leu Pro Asp Met Phe Asp Pro Val Lys His Leu Ser Leu
405 410 415

His Asn Phe Lys Ile Ser Val Phe Asn Thr Asn Met Val Ile Asn Thr
420 425 430

Lys Ile Thr Cys Arg Ser Leu Thr Gly Thr Phe Glu Ser Ile Ile Asp
435 440 445

Ile Pro Arg Leu Thr Asn Asn Phe Val Met Lys Lys Phe Ser Val Lys
450 455 460

Glu Pro Ser Phe Thr Val Ser Val Phe Tyr Ser Asp Asn Leu Cys Asn
465 470 475 480

Gly Ala Ala Ile Asn Val Asn Ile Ser Gly Asp Met Leu His Phe Met
 485 490 495

Phe Ala Met Gly Asn Leu Arg Cys Phe Leu Pro Val Lys His Ile Phe
 500 505 510

Pro Val Ser Ile Ala Asn Trp Asn Ser Thr Leu Asp Leu His Gly Leu
 515 520 525

Glu Asn Gln Tyr Ile Val Arg Arg Gly Arg Arg Asp Val Phe Trp Thr
 530 535 540

Thr Asn Phe Pro Ser Val Val Ser Ser Lys Asp Gly Cys Asn Val Ser
 545 550 555 560

Trp Phe Lys Ala Ala Thr Ala Thr Ile Ser Lys Ile Tyr Gly Arg Pro
 565 570 575

Leu Leu Lys Lys Leu Ser Asp Glu Leu Asp Pro Ile Leu Ser Val Pro
 580 585 590

Tyr Ala Arg Ile Asp Gln Val Lys Asn Thr Ile Phe Thr Thr Leu Glu
 595 600 605

Thr Arg Asn Lys Ala Gln Ile Gln Thr Leu His Lys Arg Phe Ile Glu
 610 615 620

Cys Leu Val Glu Cys Cys Ser Phe Leu Arg Leu Asp Leu Gly Ala Leu
 625 630 635 640

Asn Arg Ala Ala Arg Leu Gly Ala Phe Asp Phe Ser Lys Arg Ile Ile
 645 650 655

Ser His Thr Lys Ser Lys His Glu Cys Ala Ile Leu Gly Tyr Lys Lys
 660 665 670

Cys Asn Leu Ile Pro Lys Ile Tyr Val Arg Ser Lys Lys Ile Arg Leu
 675 680 685

Asp Glu Leu Gly Arg Asn Ala Asn Phe Met Ser Phe Ile Ala Thr Thr
 690 695 700

Gly His Ala Phe Ser Asn Leu Lys Pro Gln Val Ile Arg His Thr Ile
 705 710 715 720

Arg Arg Leu Gly Leu His Trp Arg His Lys Ala Lys Ile
725 730

<210> 45
<211> 88
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 45

Met Tyr Ile Phe Pro His Arg Asn Ala Tyr Val Phe Thr His Arg Leu
1 5 10 15

His Leu Arg Thr Val Arg His Gly Leu Gly Ser Thr Arg Arg Thr Asn
20 25 30

Pro Thr Val Pro Val Leu Phe Ala Ile Asn Gly Met Trp Arg Lys Leu
35 40 45

Ser Lys His Val Ser Asn Ser Leu Ser Leu Pro Ser Asn Met Gly Ile
50 55 60

Arg Gly Met Leu Cys Arg Leu His Ala Tyr Thr Ala Gly Thr Ser Asp
65 70 75 80

Arg His Val Leu Ser Glu Leu Leu
85

<210> 46
<211> 1378
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 46

Met Glu Ala Ala Leu Glu Val Arg Pro Phe Pro Tyr Met Ala Thr Glu
1 5 10 15

Ala Asn Leu Leu Arg Gln Met Lys Glu Ser Ala Ala Ser Gly Leu Phe
20 25 30

Lys Ser Phe Gln Leu Leu Leu Gly Lys Asp Ala Arg Glu Gly Gly Val
35 40 45

Gln Phe Glu Gly Leu Leu Gly Val Tyr Thr Asn Val Ile Gln Phe Val
50 55 60

Lys Phe Leu Glu Thr Ser Leu Ala Val Ala Cys Val Asn Thr Glu Phe
 65 70 75 80

Lys Asp Leu Lys Arg Met Thr Asp Gly Lys Ile Gln Phe Lys Val Ser
 85 90 95

Val Pro Thr Ile Ala Tyr Gly Asp Gly Arg Arg Pro Thr Lys Gln Lys
 100 105 110

Gln Tyr Ile Ile Met Lys Ala Cys Asn Lys His His Ile Gly Ala Glu
 115 120 125

Ile Glu Leu Ser Thr Asp Asp Ile Glu Leu Leu Phe Ile Asp Arg Glu
 130 135 140

Thr Pro Leu Asp Tyr Thr Glu Tyr Ala Gly Ala Val Lys Thr Ile Thr
 145 150 155 160

Ala Ser Leu Gln Phe Gly Val Asp Ala Leu Glu Arg Gly Leu Val Asp
 165 170 175

Thr Val Leu Asn Val Lys Leu Arg Ser Ala Pro Pro Met Phe Ile Leu
 180 185 190

Lys Thr Leu Ser Asp Pro Val Tyr Thr Glu Arg Gly Leu Lys Lys Ala
 195 200 205

Val Lys Ser Asp Met Val Ser Met Phe Lys Ser Tyr Leu Met Asp Asn
 210 215 220

Ser Phe Phe Leu Asp Lys Ser Asp Ile Ala Val Lys Gly Lys Gln Tyr
 225 230 235 240

Val Leu Ser Val Leu Ser Asp Met Val Gly Ala Val Cys His Glu Thr
 245 250 255

Val Phe Lys Gly Thr Asn Thr Tyr Leu Ser Ala Ser Gly Glu Pro Ile
 260 265 270

Ala Gly Val Met Glu Thr Thr Glu Asn Val Met Arg Lys Leu Leu Asn
 275 280 285

Met Leu Gly Gln Val Asp Gly Gly Met Ser Gly Pro Ala Ser Tyr Ala
 290 295 300

Asn Tyr Val Val Arg Gly Glu Asn Leu Val Thr Ala Val Thr Tyr Gly
 305 310 315 320

Arg Val Met Arg Thr Phe Asp Gln Phe Met Lys Arg Ile Val Asp Arg
 325 330 335

Pro Asn Ala Gln Pro Asn Val Asp Asp Asp Arg Asp Ala Val Ala Asp
 340 345 350

Gly Gln Asp Ser Leu Ala Lys Thr Pro Ile Ala Ala Ala Val Ile Gln
 355 360 365

Ile Gly Asp Lys Leu Val Ala Leu Glu Ser Leu Gln Arg Met Tyr Asn
 370 375 380

Glu Thr Gln Phe Pro Phe Pro Leu Asn Arg Arg Met His Tyr Thr Tyr
 385 390 395 400

Phe Phe Pro Ile Gly Leu His Met Pro Arg Pro Gln Tyr Ser Thr Ser
 405 410 415

Ala Thr Ile Lys Gly Val Glu Asn Pro Ala Glu Gln Ser Val Glu Thr
 420 425 430

Trp Ile Val Asn Lys Asn Asn Val Leu Leu Ser Phe Asn Tyr Gln Asn
 435 440 445

Ala Leu Lys Ser Ile Cys His Pro Arg Met His Asn Pro Ile Pro Cys
 450 455 460

Gly Gln Ala Leu Gly Gln Ala Phe Pro Asp Pro Gly His Val His Arg
 465 470 475 480

Tyr Gly Gln Lys Ser Glu His Pro Pro Asn Met Asn Leu Tyr Gly Leu
 485 490 495

Val Tyr Asn Tyr Tyr Gln Gly Lys Asn Val Ala His Val Pro Asp Ile
 500 505 510

Ala Leu Lys Ala Thr Met Thr Thr Asp Glu Leu Leu His Pro Thr Ser
 515 520 525

His Glu Thr Leu Arg Leu Glu Val His Pro Met Phe Asp Phe Phe Val
 530 535 540

His Gln Gln Pro Gly Ala Gln Ala Ala Tyr Arg Ala Thr His Arg Thr
 545 550 555 560

Met Val Gly Asn Ile Pro Gln Pro Leu Ala Pro Asn Glu Phe Gln Asn
 565 570 575

Ser Arg Gly Leu Gln Phe Asp Arg Ala Ala Ala Val Ala His Val Leu
 580 585 590

Asp Gln Ser Thr Met Glu Ile Ile Gln Asp Thr Ala Phe Asp Thr Ser
 595 600 605

Tyr Pro Leu Leu Cys Tyr Val Ile Glu Cys Leu Val His Gly Gln Glu
 610 615 620

Asp Lys Phe Leu Ile Asn Ser Pro Leu Ile Ala Leu Thr Ile Glu Thr
 625 630 635 640

Tyr Trp Asn Asn Ala Gly Lys Leu Ala Phe Ile Asn Ser Phe Pro Met
 645 650 655

Leu Arg Phe Ile Cys Val His Leu Gly Asn Gly Ser Ile Ser Lys Asp
 660 665 670

Val Tyr Ala His Tyr Arg Lys Val Phe Gly Glu Leu Val Val Leu Gln
 675 680 685

Gln Ala Leu Ser Lys Ile Ala Gly His Glu Val Val Gly Arg Arg Pro
 690 695 700

Ala Ser Glu Leu Ile Asn Cys Leu Gln Asp Pro Asn Leu Leu Pro Pro
 705 710 715 720

Phe Ala Tyr Asn Asp Val Phe Thr Asn Leu Leu Arg Gln Ser Ser Arg
 725 730 735

His Pro Met Val Leu Ile Gly Asp Glu Gly Tyr Glu Thr Glu Asn Asp
 740 745 750

Arg Asp Thr Tyr Ile Asn Val Arg Gly Lys Met Glu Asp Leu Val Gly
 755 760 765

Asp Met Val Asn Ile Tyr Glu Thr Arg Asn Asn Ala Asp His Asp Gly
 770 775 780

Arg His Val Leu Asp Val Gly Pro Phe Asn Glu Asn Glu Gln His Met
 785 790 795 800

Ala Val Leu Glu Lys Leu Phe Tyr Tyr Val Val Leu Pro Ala Cys Ala
 805 810 815

Asn Gly His Val Cys Gly Met Gly Val Asp Phe Asp Asn Val Ala Leu
 820 825 830

Ala Leu Thr Tyr Asn Gly Pro Val Phe Ala Asp Val Val Asn Pro Asp
 835 840 845

Asp Glu Ile Leu Asp His Leu Glu Asn Gly Thr Leu Arg Glu Met Leu
 850 855 860

Glu Ala Ser Asp Ile His Pro Thr Val Asp Met Ile Arg Thr Leu Cys
 865 870 875 880

Thr Ser Phe Leu Thr Cys Pro Phe Val Thr Gln Ala Ser Arg Val Val
 885 890 895

Thr Gln Arg Asp Pro Ala Gln Leu Leu Thr Thr His Asp Asp Gly Arg
 900 905 910

Tyr Val Ser Gln Thr Val Leu Val Asn Gly Phe Ala Ala Phe Ala Ile
 915 920 925

Ala Asp Arg Ser Arg Asp Val Ala Glu Thr Met Phe Tyr Pro Val Pro
 930 935 940

Phe Thr Lys Leu Tyr Ser Asp Pro Leu Val Ala Ala Thr Leu His Pro
 945 950 955 960

Leu Val Ala Asn Tyr Val Thr Arg Leu Pro Ala Gln Arg Val Pro Val
 965 970 975

Ala Phe Asn Val Pro Pro Ala Leu Met Ala Glu Tyr Glu Glu Trp His
 980 985 990

Lys Ser Pro Ile Leu Ala Tyr Ala Asn Thr Cys Pro Ile Thr Pro Thr
 995 1000 1005

Ser Leu Ser Thr Leu Thr Ser Met His Met Lys Leu Ser Ala Pro
 1010 1015 1020

Gly	Phe	Ile	Cys	His	Ala	Lys	His	Lys	Ile	His	Pro	Gly	Phe	Ala
1025						1030					1035			
Met	Thr	Ala	Val	Arg	Thr	Asp	Glu	Val	Leu	Ala	Glu	Asn	Leu	Leu
1040						1045					1050			
Phe	Ser	Ala	Arg	Ala	Ser	Thr	Ser	Met	Phe	Leu	Gly	Gln	Pro	Ser
1055						1060					1065			
Val	Met	Arg	Arg	Glu	Val	Arg	Ala	Asp	Ala	Val	Thr	Phe	Glu	Val
1070						1075					1080			
Asn	His	Glu	Leu	Ala	Ser	Leu	Asp	Met	Ala	Leu	Gly	Tyr	Ser	Ser
1085						1090					1095			
Thr	Ile	Thr	Pro	Ala	His	Val	Ala	Ala	Ile	Thr	Ser	Asp	Met	Gly
1100						1105					1110			
Val	His	Cys	Gln	Asp	Leu	Phe	Leu	Met	Phe	Pro	Gly	Asp	Ser	Tyr
1115						1120					1125			
Gln	Asp	Arg	Thr	Leu	Asn	Asp	Tyr	Val	Lys	Gln	Lys	Ala	Gly	Cys
1130						1135					1140			
Gln	Arg	Phe	Gly	Gly	Pro	Gly	Gln	Ile	Arg	Glu	Pro	Val	Ala	Tyr
1145						1150					1155			
Val	Ala	Gly	Val	Pro	His	Ser	Asp	Asn	Ile	Pro	Gly	Leu	Ser	His
1160						1165					1170			
Gly	Gln	Leu	Ala	Thr	Cys	Glu	Ile	Val	Leu	Thr	Pro	Val	Thr	Ala
1175						1180					1185			
Asp	Val	Thr	Tyr	Phe	Gln	Thr	Pro	Asn	Ser	Pro	Arg	Gly	Arg	Ala
1190						1195					1200			
Ser	Cys	Val	Ile	Ser	Cys	Asp	Ala	Tyr	Asn	Asn	Glu	Ser	Ala	Glu
1205						1210					1215			
Arg	Leu	Leu	Phe	Asp	His	Ser	Ile	Pro	Asp	Ser	Ala	Tyr	Glu	Tyr
1220						1225					1230			
Arg	Thr	Thr	Val	Asn	Pro	Trp	Ala	Ser	Gln	Gln	Gly	Ser	Leu	Gly
1235						1240					1245			

Asp Val Leu Tyr Asn Ser Thr Ser Arg Gln Val Ala Val Pro Gly
 1250 1255 1260

Met Tyr Ser Pro Cys Arg Gln Phe Phe His Lys Asp Ala Ile Leu
 1265 1270 1275

Arg Asn Asn Arg Gly Leu Asn Thr Leu Val Thr Glu Tyr Ala Ala
 1280 1285 1290

Arg Leu Thr Gly Thr Pro Ala Thr Ser Ala Thr Asp Leu Gln Tyr
 1295 1300 1305

Val Val Val Asn Gly Thr Asp Val Phe Leu Glu Gln Pro Cys Gln
 1310 1315 1320

Phe Leu Gln Glu Ala Phe Pro Thr Leu Ala Ala Ser His Arg Ala
 1325 1330 1335

Leu Leu Asp Glu Tyr Met Ser Asn Lys Leu Thr His Ala Pro Val
 1340 1345 1350

His Met Gly His Tyr Met Ile Glu Glu Val Ala Pro Met Lys Arg
 1355 1360 1365

Leu Leu Lys Ile Gly Asn Lys Val Ala Tyr
 1370 1375

<210> 47
 <211> 107
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 47

Met Ser Cys Cys Thr Arg Pro Arg Thr Arg Arg Phe Val Trp Arg Phe
 1 5 10 15

Ile Arg Cys Leu Ile Phe Leu Phe Ile Ser Ser Gln Val Arg Lys Pro
 20 25 30

Arg Ile Gly Leu Pro Thr Gly Leu Trp Trp Val Thr Phe Arg Asn His
 35 40 45

Trp Arg Pro Thr Ser Phe Lys Thr Ala Glu Ala Cys Ser Leu Thr Glu
 50 55 60

Arg Arg Pro Trp Leu Thr Cys Trp Thr Ser Gln Pro Trp Lys Leu Ser

65				70					75					80	
Lys	Ile	Arg	Arg	Leu	Thr	Arg	His	Thr	His	Cys	Phe	Val	Met	Ser	Leu
				85					90					95	

Asn Ala Ser Ser Thr Asp Arg Lys Thr Asn Phe
100 105

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<210> 48
<211> 146
<212> PRT
<213> Japanese Macaque Herpesvirus
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<400> 48

Met Ile Arg Val Val Ser Gly Phe Val Asn Val Asn His Val Thr Asp
1 5 10 15

Glu Val Leu His Phe Ser Ser Asp Val Asn Val Arg Ile Pro Val Ile
20 25 30

Phe Arg Phe Val Pro Leu Val Ser Tyr Glu Tyr His Arg Val Pro Arg
35 40 45

Gly Leu Pro Lys Gln Val Gly Lys Asn Val Ile Val Ser Lys Gly Arg
50 55 60

Gln Lys Ile Gly Val Leu Lys Thr Val Asn Gln Leu Gly Arg Trp Pro
65 70 75 80

Ala Ser His His Leu Val Ala Ser Asn Phe Arg Glu Arg Leu Leu Gln
85 90 95

Asn Asn Glu Leu Ala Lys Asn Phe Ser Val Met Gly Val His Val Leu
100 105 110

Arg	Asn	Thr	Thr	Val	Ala	Gln	Val	Asn	Ala	Asp	Lys	Ser	Gln	His	Arg
		115					120					125			

Glu Ala Val Asn Lys Arg Gln Phe Ser Gly Val Val Pro Val Gly Phe
130 135 140

Asn Gly
145

$\langle 210 \rangle$	49
$\langle 211 \rangle$	83

<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 49

Met Thr Gly Ile Arg Thr Leu Thr Ser Glu Glu Lys Trp Arg Thr Ser
1 5 10 15

Ser Val Thr Trp Leu Thr Phe Thr Lys Pro Glu Thr Thr Arg Ile Met
20 25 30

Thr Ala Ala Thr Ser Leu Thr Ser Val Pro Leu Thr Lys Thr Asn Ser
35 40 45

Thr Trp Arg Cys Trp Lys Ser Ser Phe Ile Thr Trp Ser Cys Gln Pro
50 55 60

Val Pro Thr Ala Thr Ser Ala Ala Trp Ala Ser Ile Leu Thr Thr Trp
65 70 75 80

Pro Trp Pro

<210> 50
<211> 305
<212> 'PRT
<213> Japanese Macaque Herpesvirus

<400> 50

Met Ala Leu Asp Lys Ser Ile Val Val Ser Val Thr Ser Arg Leu Phe
1 5 10 15

Ala Asp Glu Ile Ala Asn Leu Gln Ser Lys Ile Gly Cys Ile Leu Pro
20 25 30

Leu Arg Asp Ala His Arg Leu Gln Asn Ile Gln Ala Leu Gly Leu Gly
35 40 45

Asn Leu Cys Ser Arg Asp Ser Ala Val Asp Phe Ile Gln Ala Tyr His
50 55 60

Tyr Leu Asp Lys Cys Thr Leu Ala Val Leu Glu Glu Val Gly Pro Asn
65 70 75 80

Ser Leu Arg Leu Thr Arg Ile Asp Pro Met Asp Asn Tyr Gln Ile Lys
85 90 95

Asn Ala Tyr Gln Pro Ala Phe His Trp Asp Asn Tyr Ser Glu Leu Val
100 105 110

Val Ile Pro Pro Val Phe Gly Arg Lys Asp Ala Thr Val Ser Leu Glu
115 120 125

Ser Asn Gly Phe Asp Val Val Phe Pro Ala Val Val Pro Glu Pro Leu
130 135 140

Ala Gln Thr Val Leu Gln Lys Leu Leu Leu Tyr Asn Ile Tyr Tyr Arg
145 150 155 160

Val Ala Glu Thr Thr Pro Thr Asp Val Asn Leu Ala Glu Val Thr Leu
165 170 175

Tyr Thr Thr Asn Ile Thr Tyr Met Gly Arg Asn Tyr Ala Leu Asp Met
180 185 190

Asp Pro Val Gly Ser Ser Ser Ala Met Arg Met Leu Asp Asp Leu Ser
195 200 205

Ile Tyr Leu Cys Val Leu Ser Ala Leu Ile Pro Arg Gly Cys Val Arg
210 215 220

Leu Leu Thr Ser Leu Val Arg His Asn Lys His Glu Leu Val Glu Ile
225 230 235 240

Phe Glu Gly Val Val Pro Pro Glu Val Gln Ala Leu Asp Leu Asn Asn
245 250 255

Val Ser Val Ala Asp Asp Ile Thr Arg Met Gly Ala Leu Met Thr Tyr
260 265 270

Leu Arg Ser Leu Ser Ser Ile Phe Asn Leu Gly Arg Arg Leu His Val
275 280 285

Tyr Ala Phe Ser Ser Asp Thr Asn Thr Ala Ser Cys Trp Cys Ala Tyr
290 295 300

Asn
305

<210> 51
<211> 274
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 51

Met Ser Ile Pro Lys Ile Met Thr Val Ser Arg Asp Asn Glu Gly Thr
1 5 10 15

Val Cys Glu Val Ala Val Asp Asn Gly Arg His Arg Ala Met Ile Tyr
20 25 30

Tyr Pro Lys Ile Thr Asn Ser Ser Asn Glu Arg Ala Ala Gln Arg Ala
35 40 45

Asp Val Val Lys Glu Ala Phe Asp Thr Glu Thr Pro Val Asp Ile Val
50 55 60

Lys Gln Ile Val Asn Glu Gly Leu Ala Ile Ser Lys Arg Asn Cys Val
65 70 75 80

Arg Leu Ala Leu Tyr Leu Tyr Phe Tyr Leu Gln Tyr Val Cys Phe Ala
85 90 95

Ile Leu Ile Thr Trp Gln Leu Asn Pro His Ile Asp Pro Pro Gly Leu
100 105 110

Val Phe Ala Val Asn Pro Met Gly Pro Lys His Val Ser Lys Leu Pro
115 120 125

His Pro Ala Ile Val Ala Val Gly Cys Gly Thr Asp Ala Ile Cys Lys
130 135 140

Asn Cys Ser Val Pro Asp Ile Lys Thr Glu Leu Gly Val Val Tyr His
145 150 155 160

Asn Gly Ser Ser Asp Ser Gly Gln Ser Ala His Tyr Gly Leu Ala Leu
165 170 175

Leu Lys Ala Ala Trp Leu Val Met Gly Asn Val Cys Pro Glu Pro Val
180 185 190

Val Arg Gln Gly Ala Glu Leu Leu Gly Pro Trp Asn Arg Thr Ala Trp
195 200 205

Leu Asp Phe Lys Ser Ala Met Ala Ala Thr Thr Phe Cys Gly Ser Arg
210 215 220

Gly Val Leu Trp Ser Pro Ile His Glu Lys Asn Leu Cys Arg Pro Thr

225 230 235 240

Trp Asn Asp Val Ile Asn Thr Ser Ser Phe Phe Thr Asn Glu Ser Leu
 245 250 255

Cys Pro Asn Val Pro Gly Val Ser Glu Ile Val Ile Val Leu Asn Gly
 260 265 270

Asp Ala

<210> 52
 <211> 91
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 52

Met Thr Ala His Thr Asn Gly Val Leu Thr Thr Thr Gly Val Ser Thr
 1 5 10 15

Ser Gln Pro Glu Ser Phe Gln Ile Ser Pro Phe Phe Arg Val Ile Thr
 20 25 30

Lys Pro Pro Ile Met Gly Leu Phe Phe Cys Val Ala Met Cys Ile Ile
 35 40 45

Ala Leu Val Trp Tyr Val Met Arg Arg Val Tyr Cys Lys Gly Arg Val
 50 55 60

Val Ala Asp Ser Cys Arg Asp Pro Arg Arg Pro Ala Tyr Glu Met Leu
 65 70 75 80

Asn Val Arg Leu Arg Pro His Gly Thr Asn Pro
 85 90

<210> 53
 <211> 348
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 53

Met Leu Gln Lys Asp Ala Lys Leu Ile Phe Ile Ser Ser Ser Asn Ser
 1 5 10 15

Ser Asp Lys Ser Thr Ser Phe Leu Leu Asn Leu Lys Asp Ala His Glu
 20 25 30

Lys Met Leu Asn Val Val Ser Tyr Val Cys Pro Asp His Lys Asp Asp
 35 40 45
 Phe Asn Leu Gln Asp Thr Val Val Ala Cys Pro Cys Tyr Arg Leu His
 50 55 60
 Ile Pro Ala Tyr Ile Thr Ile Asp Glu Thr Val Arg Ser Thr Thr Asn
 65 70 75 80
 Leu Phe Leu Asp Gly Ala Phe Ser Thr Glu Leu Met Gly Asp Ala Ala
 85 90 95
 Thr Ser Ala Gln Ser Met His Lys Ile Val Ser Asp Ser Ser Leu Ser
 100 105 110
 Gln Leu Asp Leu Cys Arg Val Glu Ser Thr Ser Gln Asp Ile Gln Gly
 115 120 125
 Ala Met Lys Pro Phe Leu His Val Tyr Ile Asp Pro Ala Tyr Thr Asn
 130 135 140
 Asn Thr Asp Ala Ser Gly Thr Gly Ile Gly Ala Val Ile Ala Val Asn
 145 150 155 160
 His Lys Val Ile Lys Cys Ile Leu Leu Gly Val Glu His Phe Phe Leu
 165 170 175
 Arg Asp Leu Thr Gly Thr Ala Ala Tyr Gln Ile Ala Ser Cys Ala Ala
 180 185 190
 Ala Leu Ile Arg Ala Ile Val Thr Leu His Pro Gln Ile Leu His Val
 195 200 205
 Asn Val Ala Val Glu Gly Asn Ser Ser Gln Asp Ala Gly Val Ala Ile
 210 215 220
 Ala Thr Val Leu Asn Glu Ile Cys Ser Val Pro Leu Ser Phe Leu His
 225 230 235 240
 His Ala Asp Lys Asn Thr Leu Ile Arg Ser Pro Ile Tyr Met Leu Gly
 245 250 255
 Pro Glu Lys Ala Lys Ala Phe Glu Ser Phe Ile Tyr Ala Leu Asn Ser
 260 265 270

Gly Thr Phe Ser Ala Ser Gln Thr Val Val Ser His Thr Ile Lys Leu
 275 280 285

Ser Phe Asp Pro Val Ala Tyr Leu Ile Asp Gln Ile Lys Ala Ile Arg
 290 295 300

Cys Ile Pro Leu Lys Asp Gly Gly His Thr Tyr Cys Ala Lys Gln Lys
 305 310 315 320

Thr Met Ser Asp Asp Val Leu Val Ala Thr Val Met Ala His Tyr Met
 325 330 335

Ala Thr Asn Asp Lys Phe Val Phe Lys Ser Leu Glu
 340 345

<210> 54
 <211> 217
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 54

Met Ser Phe Leu Tyr His Asn Arg Cys Lys Glu Cys Gln Met Thr Arg
 1 5 10 15

Val Asn Ser Pro Ile Cys Gln Phe His Asn Val Ser Ser Leu Tyr Gln
 20 25 30

Cys Leu Asp Cys Lys Arg Tyr His Val Cys Asp Gly Gly Arg Asp Cys
 35 40 45

Val Ile Val Tyr Thr Arg Glu Asn Leu Val Cys Asp Leu Thr Gly Asn
 50 55 60

Cys Val Leu Asp Asn Val Gln Asp Val Cys Ser Tyr Gly Pro Pro Glu
 65 70 75 80

Arg Arg Ala Pro Asp Ala Phe Ile Asp Pro Leu Val Ser His Gly Thr
 85 90 95

Arg Glu Ser Leu Lys Ser Asp Ile Leu Arg Tyr Phe Glu Thr Val Gly
 100 105 110

Val Lys Ser Glu Ala Tyr Ser Thr Val Val Lys Asn Gly Gln Leu Asn
 115 120 125

Gly Ile Ile Gly Arg Leu Ile Asp Ala Thr Phe Asn Glu Cys Leu Pro
 130 135 140
 Val Met Ser Asp Gly Glu Gly Gly Arg Asp Leu Ala Ala Ser Ile Tyr
 145 150 155 160
 Ile His Ile Ile Ile Ser Ile Tyr Ser Thr Lys Thr Val Tyr Asp Asn
 165 170 175
 Leu Leu Phe Lys Cys Thr Arg Asn Lys Lys Tyr Asp His Ile Val Lys
 180 185 190
 Thr Ile Arg Ala Gln Trp Met Arg Met Val Ser Thr Gly Asp Pro Ser
 195 200 205
 Arg Val Asn Ala Thr Gly Cys Phe Thr
 210 215
 <210> 55
 <211> 119
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 55
 Met Leu Ala Ala Arg Ser Leu Pro Pro Ser Pro Ser Leu Ile Thr Gly
 1 5 10 15
 Arg His Ser Leu Asn Val Ala Ser Ile Asn Leu Pro Met Met Pro Phe
 20 25 30
 Ser Cys Pro Phe Leu Thr Thr Val Glu Tyr Ala Ser Asp Phe Thr Pro
 35 40 45
 Thr Val Ser Lys Tyr Leu Asn Ile Ser Leu Leu Arg Leu Ser Leu Val
 50 55 60
 Pro Cys Asp Thr Arg Gly Ser Met Asn Ala Ser Gly Ala Arg Arg Ser
 65 70 75 80
 Gly Gly Pro Tyr Glu His Thr Ser Cys Thr Leu Ser Lys Thr Gln Phe
 85 90 95
 Pro Val Lys Ser His Thr Arg Phe Ser Arg Val Tyr Thr Met Thr Gln
 100 105 110
 Ser Arg Pro Pro Ser His Thr

<210> 56
 <211> 461
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 56

Met Asp Ala His Gly Leu Asn Arg Arg Ser Val Ala Gly Gln Cys Asp
 1 5 10 15

Gly Leu Phe His Val Ile Leu Pro Arg Gly Phe Ile Leu Ala Asn Asn
 20 25 30

Ile Thr Cys Gly Gly Arg Gln Arg Phe Phe Ala His Thr Arg Phe Ala
 35 40 45

Ala Ser Glu Arg Thr Ser Lys Thr Leu Tyr Val Trp Gly Arg Val Phe
 50 55 60

Gln Asn Thr Asp Pro Gly Ser Gly Asp Gly Pro Ser Gly Pro Trp Ser
 65 70 75 80

Gly Leu Ala Ile Ser Leu Pro Leu Phe Thr Thr Asn Gly Lys Phe His
 85 90 95

Pro Phe Asp Val Val Ile Leu Arg Ala Glu Thr Pro Gly Ser Gly Ser
 100 105 110

Ser Trp Thr Val Lys Phe Leu Tyr Met Ser Leu Ile Ala Ala Tyr Arg
 115 120 125

Asn Ala Met Arg Gly Leu Lys Asp Lys Val Ser Gln Ser Thr Asp Ala
 130 135 140

Ala Val Asp Gly Glu Val His Pro Leu Thr Val Leu Lys Glu Ala Leu
 145 150 155 160

Val Ser Pro Asp Thr Ala Thr Arg Pro Val Ser Ala Cys Asn Pro Leu
 165 170 175

Gln Met Leu Thr Gly Leu Leu Gln Ser Arg Val Arg Asp Asp Tyr Val
 180 185 190

Thr His His Arg Ala Leu Glu Arg Pro Gly Asn Val Arg Gly Gln Val
 195 200 205

Ser Ala Pro Thr Arg Thr Glu Met Pro Asn Gly Ser Pro Ser Arg Val
 210 215 220

Arg Leu Gly Phe Arg Pro Pro Lys Gln Ala Asn Tyr Pro Lys Thr Trp
 225 230 235 240

Ala Gln Ala Arg His Val Phe Ser Ser Arg Thr Tyr Tyr Val Cys Val
 245 250 255

Tyr Asp Asn Glu Glu Leu Asp Thr Lys Trp Gln Arg Gln Asp Pro Arg
 260 265 270

Pro Leu Ser Leu Asp Trp Ser Asp Pro Val Ala Tyr Leu Leu Glu Gly
 275 280 285

Asp Leu Phe Leu Gly Ala Lys Gln Asn Ala Phe Val Asp Ser Leu Glu
 290 295 300

Lys Thr Cys Arg Cys Gln Asn Tyr Thr Ile Lys Gln Phe Phe Pro Val
 305 310 315 320

Ser Ile Asn Arg Asp Asn Asp Thr Val Asp Leu Ile Lys Glu His Phe
 325 330 335

Ile Glu Ala Cys Leu Val Ile Arg Asn Gln Ala Ser Glu Arg Ser Ala
 340 345 350

Trp Val Lys Ala Ala Leu Phe Arg Asn Asp Ser Asn Thr Tyr Trp Lys
 355 360 365

Asp Val Leu Gly Leu Trp Glu His Gly Pro His Lys Leu Gly Thr Ala
 370 375 380

Ile Lys Arg Pro Thr Ser Glu Pro Cys Asn Ala Asp Ile Asp Trp Ser
 385 390 395 400

Trp Leu Leu Cys Asp Ala Asp Ile Thr Arg Ser Ile Asn Gly Gln Ser
 405 410 415

Thr Val Cys Leu Val Val Ser Pro Ala Leu Ile Ala Trp Leu Val Leu
 420 425 430

Pro Gly Gly Phe Val Ile Lys Gly Arg Tyr Asp Leu Ser Ser Glu Asp
 435 440 445

Leu Met Phe Val Ala Ser Arg Tyr Gly His Pro Ala Ala
 450 455 460

<210> 57
 <211> 336
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 57

Met Ala Thr Gln Arg Arg Asp Ile Leu Lys Ser Phe Leu Asn Lys Glu
 1 5 10 15

Cys Ile Trp Leu Arg His Pro Gly Thr Ser Ala Phe Val Arg Val Tyr
 20 25 30

Thr Ala Thr Thr Ala His Ser Ala Val Phe Asp Pro Pro Val Thr Ser
 35 40 45

Glu Asp Ala Met Ser His Asn Cys Leu Asn Val Met Ile Met Leu Met
 50 55 60

Lys Pro Lys Glu Phe Gly Pro Cys Val Thr Val Tyr Ile Asn Gly Asp
 65 70 75 80

Ile Leu Asp Phe Cys Ala Thr Glu Tyr Val Ala Ile Arg Glu Val Pro
 85 90 95

Gly Arg Ala Asp Leu Cys Leu Ile Arg Phe Gly Thr Leu Ser Asn Ala
 100 105 110

Pro Arg Ser Val Pro Ile Pro Gly Pro Leu Asn Pro His Pro Arg Glu
 115 120 125

Asn Val Pro Gly Leu Thr Lys Gln Glu Ile Ile Tyr Thr Ser Gln Thr
 130 135 140

Val Pro Arg Ala Gln Ile Gln Asp Ala Ile Lys Gly Lys Ala Phe Lys
 145 150 155 160

Gln Ile Asn Pro Phe Val Trp Phe Asp Gly Gly Ala Phe Trp Gln Leu
 165 170 175

Phe Leu Ser Val Asp Tyr Met Leu Leu Cys Pro Ala Leu Glu Ile Val
 180 185 190

Pro Ser Leu Ala Arg Ile Val Gly Leu Leu Thr Gln Cys Asp Lys Ser
 195 200 205

Thr Cys Lys Ile Cys Thr Leu Ala His Val His Val Asn Ala Tyr Arg
 210 215 220

Gly Tyr Thr Pro Pro Asp Ser Gln Gly Thr Ser Pro Ser Cys Pro Cys
 225 230 235 240

Leu Ile Ser Cys Gly Ala Arg His Ala Thr Asp Val Leu Val Thr Gly
 245 250 255

His Val Asn Leu Leu Gly Leu Leu Phe Asp Pro Lys Val Leu Pro Lys
 260 265 270

Val Ser Arg Leu Arg Leu Lys Arg Asn Pro His Pro Val Pro Ile Glu
 275 280 285

Asp Ala Met Ser Gly Val Thr Ala Glu Gly Thr Glu Val Leu Pro Thr
 290 295 300

Ser Gln Pro Trp Ala Leu Ile Arg Leu Pro Asp Leu Ala Ser Arg Val
 305 310 315 320

Met Leu Tyr Gly Cys Gln Asn Leu Lys Thr Ile Cys Leu Arg Ser Tyr
 325 330 335

<210> 58

<211> 122

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 58

Met Ala Ser Cys Ile Cys Ala Leu Gly Thr Val Trp Glu Val Tyr Ile
 1 5 10 15

Ile Ser Cys Phe Val Ser Pro Gly Thr Phe Ser Arg Gly Cys Gly Phe
 20 25 30

Asn Gly Pro Gly Ile Gly Thr Leu Leu Gly Ala Leu Glu Arg Val Pro
 35 40 45

Lys Arg Ile Lys His Arg Ser Ala Leu Pro Gly Thr Ser Leu Met Ala
 50 55 60

Thr Tyr Ser Val Ala Gln Lys Ser Arg Ile Ser Pro Phe Met Tyr Thr
65 70 75 80

Val Thr His Gly Pro Asn Ser Phe Gly Phe Met Ser Ile Ile Met Thr
85 90 95

Phe Lys Gln Leu Cys Asp Ile Ala Ser Ser Leu Val Thr Gly Gly Ser
100 105 110

Lys Thr Ala Glu Cys Ala Val Val Ala Val
115 120

<210> 59
<211> 129
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 59

Met Arg Ala His Gly Cys Glu Val Gly Ser Thr Ser Val Pro Ser Ala
1 5 10 15

Val Thr Pro Asp Met Ala Ser Ser Ile Gly Thr Gly Trp Gly Phe Leu
20 25 30

Phe Lys Arg Ser Leu Asp Thr Leu Gly Ser Thr Phe Gly Ser Lys Ser
35 40 45

Arg Pro Lys Arg Phe Thr Cys Pro Val Thr Arg Thr Ser Val Ala Cys
50 55 60

Leu Ala Pro His Glu Ile Arg Gln Gly His Glu Gly Glu Val Pro Cys
65 70 75 80

Glu Ser Gly Gly Val Tyr Pro Arg Tyr Ala Leu Thr Cys Thr Trp Ala
85 90 95

Ser Val His Ile Leu His Val Leu Leu Ser His Cys Val Arg Arg Pro
100 105 110

Thr Ile Leu Ala Arg Asp Gly Thr Ile Ser Arg Ala Gly Gln Ser Ser
115 120 125

Ile

<210> 60

<211> 327
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 60

Met Leu Leu Thr Ser Tyr Arg Glu Arg Leu Gln Asn Asn Leu Arg Ala
 1 5 10 15

Val Thr Asp Gly Gly Cys Glu Asn Trp Phe Arg Gln Pro Pro Val Ile
 20 25 30

Ile Ser Gly Asn Asp Lys Thr Glu Arg Met Ala His Pro Cys Leu Gly
 35 40 45

Val Ile His Ala Val Asn Ala Tyr Ser Ser Val Leu Asp Asp Tyr Leu
 50 55 60

Gln Thr Tyr Arg Arg Leu Gln Glu Pro Met Pro Pro Pro Thr Leu Gly
 65 70 75 80

Lys Pro Arg Ile Ser Ser His Ala Thr Leu Pro Arg Leu Thr Glu Glu
 85 90 95

Leu Thr Asn Tyr Leu Arg Gln Thr Cys Cys Arg Val Arg Met Ala Asp
 100 105 110

Ala Lys Asp Gln His Met Glu Tyr Gln Ser Ala Gln Arg Thr His Glu
 115 120 125

Ala Phe Leu Glu Cys Pro Val Tyr Ala Glu Leu Arg Gln Phe Leu Ala
 130 135 140

Asn Leu Ser Ser Phe Leu Asn Gly Ser Tyr Val Pro Gly Val Cys Cys
 145 150 155 160

Leu Glu Pro Phe Gln Gln Gln Leu Ile Met His Thr Phe Tyr Phe Ile
 165 170 175

Ala Ser Ile Lys Ala Pro Glu Lys Thr His Gln Leu Phe Ala Thr Phe
 180 185 190

Lys Gln His Phe Gly Leu Phe Glu Thr Thr Asp Asp Val Leu Gln Thr
 195 200 205

Phe Lys Gln Lys Ala Ser Val Phe Val Ile Pro Arg Arg His Gly Lys
 210 215 220

Thr Trp Ile Val Val Ala Ile Ile Ser Val Leu Leu Ser Ser Val Glu
 225 230 235 240

Asn Val His Val Gly Tyr Val Ala His Gln Lys His Val Ala Asn Ala
 245 250 255

Val Phe Ser Glu Val Ile Ala Thr Leu Ser Arg Trp Phe Pro Ala Lys
 260 265 270

Asn Leu Asn Ile Lys Lys Glu Asn Gly Thr Ile Val Tyr Ala Ser Pro
 275 280 285

Gly Arg Arg Pro Ser Ser Leu Met Cys Ala Thr Cys Phe Asn Lys Asn
 290 295 300

Val Ser Arg Leu Phe Leu Asn Ser Gly Ser Arg Ile Ala Leu His Asp
 305 310 315 320

Trp Leu Asn Pro Ala Gly Glu
 325

<210> 61
 <211> 88
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 61

Met Leu Ser Gly Pro Asn Gly Arg Arg Gln Gly Pro Ala His Gly Ile
 1 5 10 15

Pro Ile Gly Pro Thr Asp Pro Arg Ser Phe Pro Arg Val Ser Cys Leu
 20 25 30

Cys Arg Thr Ala Ala Ile Phe Ser Gln Pro Val Val Ile Phe Lys Trp
 35 40 45

Glu Leu Arg Ala Arg Gly Leu Leu Pro Arg Ala Leu Ser Ala Thr Val
 50 55 60

Asn His Ala His Val Leu Phe Tyr Arg Val Tyr Gln Ser Thr Arg Lys
 65 70 75 80

Asp Thr Pro Val Ile Cys His Val
 85

<210> 62
 <211> 328
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 62

Met Phe Pro Ser Ser Phe Leu Asn Asn Glu Asn Pro Glu Thr Gly Arg
 1 5 10 15

Arg Phe Val Lys Gly Val Gln Leu Ala Leu Asp Leu Cys Asp Asn Thr
 20 25 30

Pro Gly Gln Phe Lys Leu Val Glu Thr Pro Leu Asn Ser Phe Leu Leu
 35 40 45

Val Ser Asn Val Leu Pro Glu Ser Arg Pro Val Arg Asp Cys Pro Gln
 50 55 60

Ala Glu Gly Phe Asp Phe Glu His Ile His Leu Pro Lys Leu Thr Arg
 65 70 75 80

Met Gln Arg Val Leu Gly Arg Tyr Cys Asp His Val Asn Asn Asp Asp
 85 90 95

Asp Met Cys Val Asn Val Lys Ala Arg Ser Ser Asn Ala Gln Gly Ala
 100 105 110

Leu Phe Tyr Leu Pro Tyr Gly Gln Asp Glu Trp Asn Trp Ala Leu Thr
 115 120 125

Leu Arg Lys Asp Lys Leu Val Lys Met Ala Val Glu Gly Leu Ser Asp
 130 135 140

Pro Thr Thr Trp Lys Gly Leu Glu Pro Val Asp Pro Leu Pro Leu Ile
 145 150 155 160

Trp Leu Leu Phe Tyr Gly Pro Arg Ser Phe Cys Arg Glu Pro Glu Cys
 165 170 175

Leu Tyr Glu Arg Asn Phe Gly Met Lys Gly Pro Ile Leu Leu Pro Pro
 180 185 190

His Met Tyr Ala Pro Arg Lys Asp Val Met Thr Phe Val His His Val
 195 200 205

Ile Lys Tyr Val Lys Phe Leu Tyr Val Asn Ala Gly Gly Gly Leu Glu
 210 215 220

Thr Glu Leu Ser Pro Pro Phe Glu Ala Ser Arg Leu Arg Ser Ala Ile
 225 230 235 240

Ala Arg Leu Gly Asp Val Glu Ala Asp Asp Ala Tyr Leu Ser Ala Lys
 245 250 255

Cys Met Leu Cys His Leu Tyr Lys Gln Asn Asp Thr Ile Ser Ile His
 260 265 270

Glu Thr His Val Gly Gly Val Ile Ala Leu Gly Gly Asp Gly Ala Arg
 275 280 285

Tyr Ile Thr Ser Ser Val Arg Thr Gln Arg Cys Thr Ser Arg Gly Asp
 290 295 300

Phe Val Leu Ile Pro Leu Tyr Asn Ile Glu Gly Leu Val Ser Met Ile
 305 310 315 320

Arg Glu His Gly Leu Ser Asn Ser
 325

<210> 63
 <211> 148
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 63

Met Trp Ser Phe Gly Asp Ser Ser Ser Thr Gly Thr Asp Ser Ser Leu
 1 5 10 15

Ser Val Pro Arg Ile Ser Ser Ser Pro Tyr Ser Ser Ser Leu Arg Ser
 20 25 30

Arg Thr Ala Ser Val Thr Ala Ser Asn Ser Ser Ile Phe Phe Leu Leu
 35 40 45

Asn Pro Phe Ser Asn Pro Asn Ser Leu Cys Phe Ser Arg Ser Asp Val
 50 55 60

Ser Ser Val Pro Thr Thr Val Ala Arg Leu Ser Phe Phe Phe Arg Leu
 65 70 75 80

Ser Tyr Asp Arg Ser Asp Ser Leu Val Pro Leu Tyr Cys Ala Leu Asn

85

90

95

Thr Ala Leu Ser Ala Pro Asn Leu Ser Lys Thr Glu Met Asp Ser Phe
 100 105 110

Leu Leu Ile Ser Asp Ser Ser Ser Asp Leu Ile Asn Asn Phe Leu Ala
 115 120 125

Val Ala Glu Ala Met Phe Pro Tyr His Ala Tyr Glu Pro Phe Asn Val
 130 135 140

Val Gln Arg Asp
 145

<210> 64
 <211> 149
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 64

Met Ala Ser Ala Thr Ala Lys Lys Leu Leu Ile Lys Ser Glu Leu Glu
 1 5 10 15

Ser Glu Ile Asn Lys Lys Leu Ser Ile Ser Val Phe Asp Arg Phe Gly
 20 25 30

Ala Asp Ser Ala Val Phe Asn Ala Gln Tyr Lys Gly Thr Arg Glu Ser
 35 40 45

Leu Arg Ser Tyr Asp Ser Leu Lys Lys Lys Asp Asn Leu Ala Thr Val
 50 55 60

Val Gly Thr Leu Glu Thr Ser Leu Arg Glu Lys Gln Ser Glu Leu Gly
 65 70 75 80

Leu Leu Lys Gly Phe Asn Arg Lys Lys Ile Glu Glu Phe Asp Ala Val
 85 90 95

Thr Asp Ala Val Arg Asp Leu Lys Asp Glu Leu Tyr Gly Glu Leu Glu
 100 105 110

Ile Leu Gly Thr Leu Asn Asp Glu Ser Val Pro Val Glu Glu Glu Ser
 115 120 125

Pro Lys Asp His Ile Ile Arg Trp Lys Leu Glu Arg Leu Pro Arg Val
 130 135 140

Cys Pro Lys Ser Pro
145

<210> 65
<211> 435
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 65

Met Asn Leu Phe Pro Trp Lys Lys Ser Pro Gln Arg Thr Thr Leu Leu
1 5 10 15

Asp Gly Asn Trp Ser Val Cys Gln Glu Cys Ala Pro Lys Ala Leu Asp
20 25 30

Pro Ile Pro Lys Val Gln Thr Asp Leu Asp Arg Thr Ala Leu Ser His
35 40 45

Ile Thr Val Ile Arg Thr Arg Lys Thr Leu Ala Gln Leu Lys Ile Pro
50 55 60

Asn Thr Trp Ser Gln Cys Ser His Gln Ala Thr Asp Trp Thr Ala Val
65 70 75 80

Leu Gly Arg Gly Ser Tyr Gly Val Val Arg Ser Met Ser Leu Gly Arg
85 90 95

Cys Val Lys His Phe Gly Ser Arg Arg Glu Phe Phe Tyr Glu Cys Ile
100 105 110

Phe Asn Asp Ile Val Arg Ala Arg Arg Glu Lys His Pro Leu Asn Arg
115 120 125

Gly Gly Asp Arg Ile Leu Cys Phe Leu Glu Pro Cys Val Pro Cys Arg
130 135 140

Ala Leu Ile Phe Pro Gln Leu Thr Gly Asn Leu Leu Asn Ala Asp Phe
145 150 155 160

Lys His Val Asn Pro Glu Arg Leu Ala Val Glu Phe Ser Glu Leu Arg
165 170 175

Glu Gly Val Ser Phe Leu Asn Asn Ile Cys Gly Ile Val His Cys Asp
180 185 190

Ile	Ser	Pro	Glu	Asn	Ile	Leu	Ile	Lys	Gly	Glu	Leu	Thr	Thr	Ala	Tyr			
		195					200					205						
Trp	Arg	Leu	Met	Ile	Gly	Asp	Leu	Gly	Ser	Ala	Ser	Leu	His	Thr	Gly			
	210					215					220							
Thr	Pro	Trp	Thr	Gly	Val	Met	Val	Thr	Ser	Lys	Leu	Gly	Phe	Val	Gln			
225					230					235					240			
His	Thr	Tyr	His	Phe	Lys	Ala	Pro	Ala	Arg	Phe	Ile	Cys	Lys	His	Met			
				245					250					255				
Tyr	Arg	Pro	Ser	Cys	Leu	Leu	Tyr	Arg	Cys	Leu	Leu	Ser	Cys	Ala	Gly			
			260					265					270					
Gly	Pro	Gln	Ala	Arg	Met	Leu	Asp	Gln	Pro	Phe	Gln	Ile	Thr	Pro	Gln			
		275					280					285						
Leu	Gly	Leu	Thr	Ile	Asp	Met	Ser	Ser	Leu	Gly	Tyr	Ser	Leu	Leu	Ala			
	290					295					300							
Cys	Leu	Glu	Lys	Tyr	Leu	Gln	Pro	Ala	Asp	Pro	Phe	Pro	Gln	Gln	Gly			
305					310					315					320			
Ala	Leu	Ala	Asp	Ala	Ser	Ser	Glu	Ser	Ala	His	Pro	Leu	Phe	Tyr	Leu			
				325					330					335				
Arg	Cys	Met	Val	Pro	Arg	Val	Val	Ile	Ala	Glu	Ile	Phe	Ser	Val	Ala			
			340					345					350					
Trp	Asp	Val	Pro	Leu	Asp	Leu	Gly	Ile	Asp	Ser	Ser	Gly	His	Ala	Pro			
		355					360					365						
Ala	Ile	Pro	Leu	Arg	Glu	Ala	Tyr	Arg	Arg	Phe	Phe	Ala	Asn	Gln	Cys			
	370					375					380							
Ser	Leu	Tyr	Arg	Ala	Gln	Tyr	Lys	Glu	Asp	Ala	Leu	Glu	Asn	Ala	Ser			
385					390					395					400			
Ser	Arg	Leu	Cys	Asn	Ser	Lys	Leu	Lys	Leu	Val	Leu	Gln	Lys	Leu	Leu			
				405					410					415				
Val	Arg	Asp	Tyr	Phe	Ser	His	Cys	Gly	Asn	Cys	Gly	Asp	His	Gly	Phe			
			420					425					430					

Phe Leu Arg
435

<210> 66
<211> 480
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 66

Met Asp Phe Phe Ser Asp Glu Pro Met Val Gln Glu Met Ala Leu Leu
1 5 10 15

Asp Ile Asp Glu Gln Gln Arg His Leu Ser Lys Met Ser Leu Ala Asn
20 25 30

Phe Leu Lys His Glu Arg Val Arg Ala Phe Phe Asn Asp Asn Lys Lys
35 40 45

Lys Ile Ser Met Pro Ala Ile Arg Phe Val Tyr Asn Phe Tyr Leu Phe
50 55 60

Ala Lys Val Gly Asp Phe Ile Gly Asn Thr Glu Val Tyr Asp Phe Tyr
65 70 75 80

Val Ser Cys Val Phe Arg Gly Arg Arg Leu Thr Leu Leu Ser Asp Val
85 90 95

Tyr Asp Ala Cys Leu Asn Met His Pro His Asp Arg His His Val Cys
100 105 110

Ala Leu Ile Glu Gln Val Thr Arg Gly Gln Asn Ile Asn Pro Leu Trp
115 120 125

Asp Ala Leu Arg Asp Gly Ile Ile Ser Ser Ser Lys Phe His Trp Ala
130 135 140

Ile Lys Gln Gln Asn Ser Ser Lys Lys Ile Phe Asn Pro Trp Pro Ile
145 150 155 160

Val Asn Asn His Phe Ile Ala Gly Pro Leu Ala Phe Gly Leu Arg Cys
165 170 175

Glu Asp Val Val Lys Lys Ile Leu Ala Thr Leu Leu His Pro Gly Glu
180 185 190

Ala His Cys Glu Asn Tyr Gly Phe Met Gln Ser Pro His Asn Gly Val
 195 200 205

Phe Gly Val Ser Leu Asp Phe Gly Ile Asn Val Lys Ser Asn Pro Lys
 210 215 220

Asp Gly Leu Glu Phe His Pro Asp Cys Lys Ile Tyr Glu Ile Lys Cys
 225 230 235 240

Arg Phe Lys Tyr Thr Phe Ser Lys Met Glu Cys Asp Pro Ile Tyr Ala
 245 250 255

Ala Tyr Ala Lys Leu Tyr Gln Lys Pro Ser Met Gln Thr Leu Lys Gly
 260 265 270

Phe Leu Tyr Ser Ile Ser Lys Pro Ala Ile Glu Phe Val Gly Glu Asp
 275 280 285

Lys Leu Pro Ser Glu Ala Asp Tyr Leu Val Ala Tyr Asp Lys Glu Trp
 290 295 300

Glu Val Cys Pro Arg Lys Lys Arg Arg Leu Thr Ala Val His His Leu
 305 310 315 320

Val Lys Lys Cys Met Ile His Asn Ser Thr Ala Pro Ser Asp Val Tyr
 325 330 335

Ile Leu Ser Asp Pro Gln Glu Thr Gly Gly Gln Ile Asn Ile Lys Ala
 340 345 350

His Leu Ser Ala Asn Leu Phe Ile Asn Val Arg His Pro Tyr Tyr Tyr
 355 360 365

Gln Val Leu Leu Gln Ser Leu Val Val Gln Glu Tyr Ile Ser Leu Ser
 370 375 380

Lys Gly Thr Lys Asn Leu Gly Thr Gln Lys Asn Phe Ile Ala Thr Gly
 385 390 395 400

Phe Phe Arg Lys Arg Gln Phe Gln Asp Pro Ser Asn Cys Thr Ile Gly
 405 410 415

Glu Phe Ala Pro Leu Asp Pro His Val Glu Ile Pro Thr Leu Leu Ile
 420 425 430

Val Thr Pro Val Tyr Phe Pro Ser Val Ala Lys His Gln Leu Val Lys
 435 440 445

Gln Ala Thr Glu Phe Trp Ala Ala Ser Ala Ser Glu Ala Phe Pro Glu
 450 455 460

Leu Pro Trp Asp Leu Ser Ser Leu Cys Ala Asn Ala Pro Pro Thr Pro
 465 470 475 480

<210> 67
 <211> 378
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 67

Met Lys Ile Ser Arg Ser Asp Ser Phe Ile Leu Ser Ser Trp Val Lys
 1 5 10 15

Leu Leu Val Ile Leu Gly Leu Met Phe Ile Met Ser Ala Val Val Pro
 20 25 30

Leu Thr Ala Thr Phe Pro Gly Leu Gly Phe Pro Cys Tyr Phe Asn Thr
 35 40 45

Leu Val Asn Tyr Ser Ala Leu Asn Leu Thr Val Arg Ser Ser Ala Lys
 50 55 60

His Leu Thr Pro Thr Leu Phe Leu Glu Ala Pro Glu Met Phe Val Tyr
 65 70 75 80

Ile Ser Trp Ala Phe Leu Val Asp Gly Tyr Leu Leu Cys Tyr Tyr Ala
 85 90 95

Trp Ala Ile Leu Ala Ile Phe Lys Ala Lys Arg Val His Ala Thr Thr
 100 105 110

Met Thr Ser Leu Gln Thr Trp Ile Val Leu Ile Gly Ser His Ser Val
 115 120 125

Val Phe Met Ser Ile Leu Arg Leu Trp Thr Ile Gln Leu Phe Ile His
 130 135 140

Val Leu Ser Tyr Lys His Ile Leu Leu Ala Ser Phe Val Tyr Cys Ile
 145 150 155 160

His Phe Cys Leu Ser Phe Thr His Val Gln Ala Met Ile Ser Cys Asn

	165		170		175										
Ser	Ala	Thr	Trp	Ser	Leu	Arg	Val	Leu	Glu	Gln	Gln	Ile	Pro	Glu	Asn
			180					185					190		
Ser	Leu	Leu	Asp	Thr	Leu	Leu	Arg	Tyr	Gly	Lys	Pro	Ile	Gly	Ala	Asn
			195				200					205			
Leu	Tyr	Leu	Ser	Leu	Ile	Ala	Met	Glu	Met	Leu	Val	Phe	Ser	Leu	Gly
	210					215					220				
Thr	Met	Met	Ala	Ile	Gly	Asn	Ser	Phe	Tyr	Met	Leu	Val	Ser	Asp	Ile
225					230					235					240
Val	Phe	Gly	Ser	Ile	Asn	Leu	Phe	Phe	Val	Leu	Thr	Val	Ala	Trp	Tyr
				245					250					255	
Ile	Asn	Thr	Glu	Leu	Phe	Leu	Val	Lys	Tyr	Leu	Lys	His	Gln	Ile	Gly
			260					265					270		
Phe	Tyr	Val	Gly	Val	Phe	Val	Ser	Tyr	Leu	Ile	Leu	Leu	Leu	Pro	Val
		275					280					285			
Val	Arg	Tyr	Asp	Lys	Val	Phe	Ile	Ser	Ala	Ser	Leu	His	Lys	Val	Ile
	290					295					300				
Ala	Val	Asn	Ile	Ser	Met	Ile	Pro	Ile	Thr	Cys	Ile	Leu	Ala	Ile	Ile
305					310					315					320
Leu	Arg	Ile	Ile	Arg	Asn	Asp	Trp	Lys	Trp	Cys	Ala	Lys	Ala	Pro	Glu
				325					330					335	
Tyr	Ala	Pro	Leu	Pro	Gln	Gly	Ser	Lys	Glu	Lys	Thr	Thr	Lys	Val	Lys
			340					345					350		
Tyr	Ser	Pro	Glu	Leu	Asn	Ala	Leu	Tyr	Glu	Thr	Glu	Glu	Asp	Val	Ser
		355					360					365			
Asp	Asp	Glu	Asp	Ala	Tyr	Pro	Lys	Tyr	Ile						
	370					375									

<210> 68
 <211> 104
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 68

Met Tyr Thr Val Tyr Lys Arg Gly Gln Lys Tyr Met Phe Val Arg Gln
1 5 10 15

His Val Asn Lys Gln Leu Asn Gly Pro Gln Pro Gln Asn Arg His Lys
20 25 30

Asn Tyr Ala Val Arg Thr Tyr Glu His Asp Pro Gly Leu Glu Ala Gly
35 40 45

His Cys Arg Arg Val His Ala Leu Gly Leu Glu Tyr Gly Gln Asp Gly
50 55 60

Pro Arg Val Val Thr Gln Gln Ile Ser Val His Gln Lys Arg Pro Arg
65 70 75 80

Asp Val Asn Lys His Phe Trp Cys Phe Gln Lys Gln Arg Arg Arg Gln
85 90 95

Val Phe Ser Arg Thr Ser Asp Arg
100

<210> 69

<211> 667

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 69

Met Asn Ala Arg Glu Val Ala Leu Thr Gly His Val Leu His Ile Ser
1 5 10 15

Leu His Ser Thr His Glu Arg Glu Lys Leu Ile Ile Trp Gln Val His
20 25 30

Leu Leu Val Cys Gln Gln Cys Gly Ile Gln Gly Asp Ala Ala Tyr Leu
35 40 45

Phe Val Thr Glu Thr Leu Ser Asn Thr Asp Trp Gly Asn Ile Pro Ala
50 55 60

Ile Asn Arg His Ala Pro Ser Met Asn Glu His Gly Arg Asn Tyr Met
65 70 75 80

Gln Trp Glu Leu Arg Thr Arg Leu Arg Asn Pro Ile Ile Gln Ser Leu
85 90 95

Ser Arg Gln Pro Gly Ala Val Asn Val Arg Val Ser Glu Pro Asn Met
100 105 110

Val Ile Val Ser Cys Glu Arg Ala Leu His His Ser Cys Ser Val Arg
115 120 125

Val Thr Gly Ala Tyr Leu His Cys Asn Thr Thr Met Asp Phe Arg Leu
130 135 140

Asp Ser Asn Val Ser Pro Thr Arg Glu Phe Trp Phe Ser Glu Met Phe
145 150 155 160

Ser Lys Cys Leu Val Ser Asn Ile Glu Val Tyr Leu Lys Thr Thr Gly
165 170 175

Gly Leu Tyr Tyr Arg Ala Ser Ser Ala Thr Gln Cys Arg Lys Arg Ala
180 185 190

Lys Asp Gly Ala Leu Gly Ile Leu Asp Ile Phe Asn Cys Glu Ser Arg
195 200 205

Glu Ile Gln Val Ala Gly Gln Lys Tyr Asn Leu Ser Ile Ala Thr Ala
210 215 220

Thr Phe His Val Leu Trp Val Asp Glu Ala Cys Met Trp Asn Gly Ala
225 230 235 240

Leu Ala Glu Phe Phe Arg Ala Leu His Asn Lys Leu Phe Gly Asp Arg
245 250 255

Glu Gly Val Ala Pro Thr Leu Thr Tyr Val Cys Pro Gly Ala Thr Pro
260 265 270

Glu Gly Thr Pro Phe Pro Pro Tyr Phe Ser Ala Phe Pro His Leu Leu
275 280 285

Leu Val Phe Gly Arg Pro Arg Arg Leu Asp Val Thr Ala Val Gln Glu
290 295 300

Leu Pro Lys Ala Gln Ile Ala Val His Trp Pro Pro Phe Lys Asn Ser
305 310 315 320

Ile Leu Gly Asp Gln Leu Leu Ile Pro Gly Ile Ser Pro Lys Lys Pro
325 330 335

Gly Thr Val Pro Val Arg Trp Pro Leu Trp Val Gln Asp Val Asn Leu
340 345 350

Ser Leu Cys Glu Thr Thr Glu Ser Val Ala Arg Ile Val Asp Pro His
355 360 365

Ser Ile Val Ile Ile Lys Ile Ser Thr Leu Leu Cys Gln His Leu Lys
370 375 380

Cys His Arg Ala Phe Val Lys Asn Glu Leu Glu Tyr Ile Ala Thr Ile
385 390 395 400

Cys Ser Ser Asp Leu Arg Leu Phe Ile Gln Glu Glu Tyr Asn Arg Leu
405 410 415

Leu Ala Thr Ile Phe Thr Trp Ala Ala Ala Ser Gly Tyr Thr Trp Ala
420 425 430

Ala Ile Asp Lys Thr Thr Val Phe Ile Lys Ala Pro Gln Leu Ser Ala
435 440 445

Ala Val Ser Gly Ser Cys Pro Ser Leu Asn Ser Cys Arg Arg Lys Gln
450 455 460

Tyr Tyr Lys Gly Leu Lys Ile Thr Val His Phe Leu Ser Gln Glu Gln
465 470 475 480

Gln Lys Val Val Thr Arg Leu Glu Ala Gln Leu Gly Leu Pro Val Gln
485 490 495

Glu Thr Ser Arg Pro Pro Asp Trp Leu Lys Tyr Glu Val Cys Ser Ala
500 505 510

Ser Val Phe Leu Lys Ile Pro Ala Gly Val Leu Tyr Ala Gly Leu Ala
515 520 525

Lys Asp Pro Val Ser Glu Ala Lys Arg Asp Ser Trp Leu Asp Cys Leu
530 535 540

Val Glu Gly Ala Thr Leu Ser Leu Asn Asn Ser Val Pro Pro Ile Gly
545 550 555 560

Ala Leu Ala Gly Ile Leu Pro Thr Leu Phe Ala Lys Arg Arg Cys Val
565 570 575

Asn Phe Trp Leu Leu Pro Arg Glu Trp Val Lys Ser Ala Pro Ile Cys
580 585 590

Pro Pro Leu Pro Ile Asp Cys Val Thr Pro Gln Gln Phe Val Val Thr
595 600 605

Lys Arg Gly Pro Ile Cys Trp Tyr Lys Glu Trp Pro Leu Pro Val Asp
610 615 620

Val Asp Phe Met Tyr Tyr Leu Gln Glu Ala Leu Cys Val Phe Ser Val
625 630 635 640

Val Ser Asn Gly Glu Gly Thr Glu Ser His Ala Asp Asp Ile Arg Gln
645 650 655

Leu Glu Lys Phe Glu Lys Val Leu Cys Leu Phe
660 665

<210> 70
<211> 116
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 70

Met Asn Thr Val Val Leu Ser Met Ala Ala Gln Val Tyr Pro Leu Ala
1 5 10 15

Ala Ala His Val Lys Ile Val Ala Ser Asn Arg Leu Tyr Ser Ser Trp
20 25 30

Met Lys Arg Arg Arg Ser Leu Glu Gln Met Val Ala Met Tyr Ser Asn
35 40 45

Ser Phe Leu Thr Asn Ala Arg Trp His Phe Arg Cys Trp His Asn Ser
50 55 60

Val Glu Ile Phe Met Ile Thr Ile Glu Cys Gly Ser Thr Met Arg Ala
65 70 75 80

Thr Leu Ser Val Val Ser Gln Arg Leu Lys Leu Thr Ser Cys Thr Gln
85 90 95

Ser Gly Gln Arg Thr Gly Thr Val Pro Gly Phe Leu Gly Glu Met Pro
100 105 110

Gly Met Arg Ser
115

<210> 71
<211> 271
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 71

Met Asp Gln Ile Leu Lys Arg Leu Met Gly Glu Gln His Arg Ser Glu
1 5 10 15

Ala Ile Met Pro Glu Thr Glu Cys Ala Ser Arg Gly Pro Tyr Asn Tyr
20 25 30

Pro Val Leu Pro Arg Leu Met Leu Glu Val His Lys Lys Asn Ser Ile
35 40 45

Cys Met Ala Ser Asn Thr Pro Lys Leu Cys Val Arg Gly Arg Leu Asn
50 55 60

Val Pro Asp Leu Gly Val His Val Arg Thr Arg Leu Gln Ser Ala Thr
65 70 75 80

Phe Thr Gly Phe Val Phe Ala Cys Val Val Glu His Glu Asp Met Val
85 90 95

Asn Thr Leu Asp Ile Tyr Pro His Val Phe Ser Asp Arg Val Gln Leu
100 105 110

Phe Lys Pro Ala Ser Ala Ser Val Thr Glu Leu Cys Cys Ile Leu Ser
115 120 125

Met Leu Glu Asn Tyr Asp Lys Pro Pro Leu Ser Phe Ile Leu Ser Ala
130 135 140

Leu Asp Arg Ala Arg Tyr Leu His Glu Arg Tyr Thr Cys Asn Asp Ser
145 150 155 160

Ala Phe Ile Leu Tyr Gly Ile Glu Val Ile Ala Ser Thr Leu Ala Ala
165 170 175

Tyr His Glu Leu Asn Pro Pro Gln Gly Val Leu Arg Val Pro Pro Leu
180 185 190

Val Arg Phe Lys Leu His Lys Leu Leu Asp Glu Asn Ala Asp Asp Met

195 200 205
 Lys Gly Leu Leu Lys Pro Ile Tyr Leu Glu Ser Phe Arg Leu Thr Glu
 210 215 220
 Asn Val Glu Glu Asp Ser His Gly Glu Thr Phe Asn Ile Phe Tyr Cys
 225 230 235 240
 Gly Thr Ile Phe Thr Arg His Leu His Asn Ala Ser Val Leu Lys Tyr
 245 250 255
 Phe Gln Ile Thr Ser Leu His Ser Leu Pro Arg Gln Thr Leu Phe
 260 265 270

<210> 72
 <211> 82
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 72

Met Gly Phe Ser Lys Pro Phe Met Ser Ser Ala Phe Ser Ser Asn Ser
 1 5 10 15
 Leu Trp Ser Leu Asn Arg Thr Arg Gly Gly Thr Arg Lys Thr Pro Trp
 20 25 30
 Gly Gly Phe Asn Ser Trp Tyr Ala Ala Lys Val Asp Ala Ile Thr Ser
 35 40 45
 Ile Pro Tyr Asn Ile Asn Ala Glu Ser Leu His Val Tyr Leu Ser Cys
 50 55 60
 Arg Tyr Leu Ala Arg Ser Ser Ala Asp Arg Ile Asn Asp Arg Gly Gly
 65 70 75 80

Leu Ser

<210> 73
 <211> 581
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 73

Met Phe Lys Met Asn Pro Gly Leu Gly Ser Thr Cys Leu Val His Pro
 1 5 10 15

Thr Glu Leu Ser Ile Ser Leu Phe Glu Ile Leu Gln Gly Lys Tyr Ala
 20 25 30

Tyr Val Arg Gly Gln Thr Leu His Ser Ser Leu Arg Asn Pro Gly Ile
 35 40 45

Phe Gly Arg Gln Leu Phe Ile His Leu Tyr Lys Thr Ala Leu Gly Ser
 50 55 60

Cys Thr Tyr Asp Asn Val Leu Lys Asp Trp Thr Asn Phe Glu Thr Thr
 65 70 75 80

Leu Lys Thr Arg Trp Arg Gly Val Glu His Leu Thr Pro Glu Phe Lys
 85 90 95

Arg Ser Thr Phe Glu Ser Trp Ala Arg Thr Val Arg Leu Thr Val Asp
 100 105 110

Gln Leu Leu Leu Asn Thr Ile Asn Gln Val Leu His Thr Arg Thr Val
 115 120 125

Leu Ser Tyr Glu Arg Tyr Val Asp Trp Val Val Ala Leu Gly Leu Val
 130 135 140

Pro Ile Val Arg Arg Ala Pro Asp Gly Glu Thr Ile Ala Arg Ile Gln
 145 150 155 160

Ala His Cys Gln Gln Met Arg Lys Thr His Ala Ser Gly Asp Val Thr
 165 170 175

Ile Ser Arg Ile Val Asp Lys Leu Ala Gln Glu Ile Thr Ala Ile Met
 180 185 190

Thr Asp Val Thr Ser Ile Tyr Ile Pro Asp Tyr Ala Glu Val Ser Val
 195 200 205

Glu Phe Asn Gly Asp Lys Ala Ala Tyr Leu Gly Thr Tyr Arg Gln Lys
 210 215 220

Asp Ile Thr Val Glu Val Val Ser Arg Pro Ile Ile Tyr Asn Gly Arg
 225 230 235 240

Val Ser Phe Asp Ser Pro Leu Tyr Arg Leu Phe Thr Ala Ile Met Thr
 245 250 255

Cys His Arg Thr Ala Glu His Ala Lys Leu Cys Gln Leu Leu Asn Thr
 260 265 270

Ala Pro Leu Lys Ala Leu Val Gly Ser Thr Cys Asn Asp Met Tyr Lys
 275 280 285

Asp Ile Leu Ala Arg Leu Glu Gln Ser Ser Gln Lys Thr Asp Pro Lys
 290 295 300

Arg Glu Leu Leu Asn Leu Leu Ile Lys Leu Ala Glu Asn Lys Thr Val
 305 310 315 320

Ser Gly Ile Thr Asp Val Val Glu Asp Phe Val Thr Asp Val Ser Gln
 325 330 335

Asn Ile Val Asp Lys Asn Lys Leu Phe Gly Thr Gly Thr Glu Ser Thr
 340 345 350

Thr Gln Gly Leu Arg Lys Gln Val Ser Asn Thr Val Phe Lys Cys Leu
 355 360 365

Thr Asn Gln Ile Asn Glu Gln Phe Asp Thr Ile Ser Asn Leu Glu Lys
 370 375 380

Glu Arg Asp Asp Tyr Val Lys Lys Ile Gln Cys Ile Glu Thr Gln Leu
 385 390 395 400

Leu Gln Ser Leu Pro Glu Gly Gly Arg Pro Arg His Asp Ile Asn Ile
 405 410 415

Leu Thr Gln Asn Thr Leu Gln Ala Leu Ser Gly Leu Arg Asp Pro Thr
 420 425 430

Ile Asn Leu Ser Glu Cys His Ile Pro Lys Gly Ser Ser Val Val Asn
 435 440 445

Ser Phe Phe Ser Gln Tyr Val Pro Pro Phe Met Glu Met Leu Arg Glu
 450 455 460

Leu Thr Ser Leu Trp Glu Gly Glu Met Phe Gln Thr Tyr Asn Leu Thr
 465 470 475 480

Pro Val Val Asp Asn Gln Gly Gln Arg Thr Ser Ile Ala Tyr Ser Gln
 485 490 495

Asp Thr Val Ser Ile Leu Leu Gly Pro Phe Thr Tyr Ile Ile Ala Lys
500 505 510

Leu Thr His Met Asp Leu Ile Asn His Ser Leu Ile Ser Leu Ser Leu
515 520 525

His Asp Ile Ala Asp Gln Leu Tyr Val Asp Ser Arg Leu Phe Val Tyr
530 535 540

Ile Asn Asp Ile Gly His Lys Tyr Cys Glu Gln Ile Ile Gln Pro Gly
545 550 555 560

Thr Asp Gly Pro Asn Thr Glu Ala Phe Asn Gly Gly Ala Ala Pro Ile
565 570 575

Gly Gly Asn Asn Ala
580

<210> 74
<211> 790
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 74

Met Glu Ser Ser Val Gly Trp Thr Lys His Val Glu Pro Ser Pro Gly
1 5 10 15

Phe Ile Leu Asn Met Thr Ser Asp Ala Lys Val Arg Gly Val Val Asp
20 25 30

His Val Ser Arg Leu Ser Asn Ile Thr Thr Ser Pro Pro Glu Met Gly
35 40 45

Trp Tyr Asp Leu Ala Phe Asp Pro Ala Glu Asp Ser Gly Pro Phe Leu
50 55 60

Pro Phe Thr Val Tyr Leu Ile Thr Gly Thr Ala Gly Ala Gly Lys Ser
65 70 75 80

Thr Ser Ile Ser Ala Leu Tyr Gln Asn Leu Asn Cys Leu Ile Thr Gly
85 90 95

Ala Thr Thr Ile Ala Ala Gln Asn Leu Ser Arg Arg Leu Lys Thr Phe
100 105 110

Cys	Pro	Thr	Ile	Phe	Ser	Ala	Phe	Gly	Phe	Lys	Ser	Arg	His	Ile	Asn	115	120	125
Ile	Ala	Val	Arg	Lys	Ala	His	Gln	Thr	Gly	Ala	Val	Ser	Ile	Glu	Gln	130	135	140
Val	Gln	Gln	Gln	Glu	Leu	Ser	Lys	Tyr	Trp	Pro	Val	Ile	Val	Asp	Ile	145	150	155
Met	Lys	Glu	Val	Met	Ala	Lys	Lys	Pro	Asn	Gly	Met	Tyr	Gly	Thr	Ile	165	170	175
Ser	Asn	Ala	Asp	Phe	Glu	Thr	Leu	Ser	Arg	Met	Thr	Gly	Pro	Cys	Leu	180	185	190
Trp	Thr	Ser	Asn	Ile	Ile	Val	Ile	Asp	Glu	Ala	Gly	Thr	Leu	Ser	Ser	195	200	205
Tyr	Ile	Leu	Thr	Thr	Val	Val	Phe	Phe	Tyr	Trp	Phe	Leu	Asn	Ser	Trp	210	215	220
Leu	Asn	Thr	Pro	Leu	Tyr	Arg	Gln	Gly	Ala	Val	Pro	Cys	Ile	Val	Cys	225	230	235
Val	Gly	Ser	Pro	Thr	Gln	Thr	Asn	Ala	Phe	Gln	Ser	Thr	Tyr	Asn	His	245	250	255
Gly	Thr	Gln	Lys	Thr	Glu	Ile	Ser	Ser	Cys	Glu	Asn	Ile	Leu	Thr	Phe	260	265	270
Met	Ile	Gly	Lys	Lys	Val	Val	Ser	Glu	Tyr	Val	Asn	Leu	Glu	Arg	Asn	275	280	285
Trp	Ala	Leu	Phe	Ile	Asn	Asn	Lys	Arg	Cys	Thr	Asp	Leu	Gln	Phe	Gly	290	295	300
His	Leu	Leu	Lys	Ile	Leu	Glu	Tyr	Asn	Leu	Pro	Ile	Pro	Asp	Glu	Val	305	310	315
Met	Ser	Tyr	Val	Asp	Arg	Phe	Val	Val	Pro	Lys	Ser	Lys	Ile	Met	Asp	325	330	335
Pro	Leu	Glu	Tyr	Ile	Gly	Trp	Thr	Arg	Leu	Phe	Leu	Ser	His	Ser	Glu	340	345	350

Val Lys Ala Tyr Leu Thr Asn Leu His Thr Cys Leu Thr Leu Gly Gly
 355 360 365

Asp Thr Arg Asp Thr Lys Leu Phe Thr Cys Pro Val Val Cys Glu Val
 370 375 380

Phe Val Lys Pro Phe Glu Glu Tyr Lys Arg Ala Val Asn Leu Thr His
 385 390 395 400

Leu Thr Val Thr Glu Trp Val Thr Lys Asn Leu Phe Lys Leu Ser Asn
 405 410 415

Tyr Ser Gln Phe Val Asp Gln Asp Met Ser Ile Val Ala Thr Glu Ser
 420 425 430

Thr Glu Arg Ser Thr Gln Val Thr Phe Ile Thr Lys Phe Val Lys Asn
 435 440 445

Ser His Val Ser Leu Asn Gly Lys Thr Lys Lys Cys Ile Cys Gly Phe
 450 455 460

Gln Gly Thr Tyr Phe Glu Phe Lys Arg Ile Leu Asp Ser Glu Leu Phe
 465 470 475 480

Val Glu Thr His Ser Gln Asp Arg Pro Glu Tyr Val Tyr Gly Phe Leu
 485 490 495

Asn Thr Leu Leu Tyr Asn Ala Met Tyr Ser Phe His Ala Tyr Gly Val
 500 505 510

Thr Arg Ala His Glu Lys Tyr Leu Glu Asp Leu Lys Phe Ala Pro Leu
 515 520 525

Pro Thr Ala Leu Ala Thr Gly Arg Val Asp Phe Gln Thr Val Arg Glu
 530 535 540

Glu Leu Asn Leu Glu Asp Asp Ile Phe Tyr His Val Cys Ser Pro Pro
 545 550 555 560

Pro Pro Ala Gly Ile Thr Ser Leu Gln Val Leu Val Asp Thr Tyr Cys
 565 570 575

Ala Leu Lys Asp Val Phe Ala Ser Arg Ile Lys Val Ala Cys Arg Trp
 580 585 590

Phe Gly Gly Glu Phe Glu Lys Glu Thr Phe Ser Ala Phe Thr Val Asn
595 600 605

Met Val Val Arg Asp Gly Val Asp Phe Val Ser Pro Ser Glu Arg Leu
610 615 620

Asn Gly Leu Leu Ala Phe Ala Ser Thr Val Glu Ser Tyr Lys Ile Lys
625 630 635 640

Gly Tyr Thr Phe Leu Pro Ile Ala Phe Gly Arg Cys Gln Gly Leu Pro
645 650 655

Leu Ser Asp Asp Leu Arg Lys Lys Met Pro Ser Leu Val Val Gln Asp
660 665 670

Ser Ser Gly Phe Ile Ala Cys Leu Glu Asn Asn Ile Ser Lys Leu Thr
675 680 685

Glu Thr Met Asp Asp Gly Ser Val Phe Gln Val Cys Cys Ala Gly Asp
690 695 700

Tyr Gly Val Ser Ser Asn Leu Ala Met Thr Ile Val Lys Ala Gln Gly
705 710 715 720

Met Ser Leu Glu Arg Val Ala Val Val Phe Gly Ala His Lys Asn Val
725 730 735

Gln Thr Ser His Val Tyr Val Ala Ile Ser Arg Ala Val Asn Ser Asn
740 745 750

Tyr Leu Val Met Asp Ser Asn Pro Leu Lys Thr Leu Leu Arg Glu Pro
755 760 765

Val Asp Asn Thr Ser Ala Lys His Ile Val Arg Ala Leu His Asn Pro
770 775 780

Asn Thr Thr Leu Ile Tyr
785 790

<210> 75
<211> 137
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 75

Met Val Ser Val Ser Leu Asp Met Leu Phe Ser Arg His Ala Ile Lys

1 5 10 15
 Pro Leu Glu Ser Cys Thr Thr Arg Asp Gly Ile Phe Phe Leu Arg Ser
 20 25 30
 Ser Leu Ser Gly Asn Pro Trp Gln Arg Pro Asn Ala Ile Gly Lys Asn
 35 40 45
 Val Tyr Pro Leu Ile Leu Tyr Asp Ser Thr Val Asp Ala Asn Ala Asn
 50 55 60
 Asn Pro Phe Arg Arg Ser Glu Gly Glu Thr Lys Ser Thr Pro Ser Leu
 65 70 75 80
 Thr Thr Met Leu Thr Val Asn Ala Glu Asn Val Ser Phe Ser Asn Ser
 85 90 95
 Pro Pro Asn Gln Arg His Ala Thr Phe Ile Leu Glu Ala Asn Thr Ser
 100 105 110
 Phe Arg Ala Gln Tyr Val Ser Thr Lys Thr Trp Arg Glu Val Ile Pro
 115 120 125
 Ala Gly Gly Gly Gly Leu His Thr Trp
 130 135

<210> 76
 <211> 353
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 76

Met Ala Met Phe Leu Ser Asp Pro Pro Arg Thr Pro Pro Ala Thr Pro
 1 5 10 15
 Arg Met Leu Pro Ile Pro Gly Ala Pro Arg Lys Lys Arg Thr Arg Arg
 20 25 30
 Phe Leu Phe Ala Gly Ser Arg Thr Gly Leu Pro Val Pro Pro Gly Tyr
 35 40 45
 Gly Gly Pro Pro Val Ile Asp Met Thr Ala Pro Asn Asp Val Phe Asp
 50 55 60
 Ala Asp Ser Pro Pro Thr Thr Pro Lys Thr Pro Asp Glu Thr Asp Ser
 65 70 75 80

His Ser Glu Asn Ser Asn Tyr Ser Asp Met Asp Glu Glu Asp Glu Gln
 85 90 95

Pro Val Ser Ser Pro Pro Arg Ile Asp Pro His Ala Arg Asp Gly Glu
 100 105 110

Ser Phe Asn Gln Ser Asp Trp Arg Pro Thr Val Ile Thr Ala Ala Gly
 115 120 125

Pro Ala Ala Gln Pro Ser Ala Pro Ala Pro Leu Thr Ala Phe Gly Gly
 130 135 140

Gln Arg Pro Val Ala Val Val Thr Gly Gln His Arg Ala Pro Pro Ser
 145 150 155 160

Ser Thr Ser Asp Ser Gly Asp Asp Phe Phe Ile Asp Asp Tyr Glu Asp
 165 170 175

Thr Asp Glu Ser Gly Glu Asp Ala Asp Gly Phe Ser Pro Arg Ala Ser
 180 185 190

Pro Ala Trp Ser Gly Asp Thr Ser Arg Ser Pro Ala Gly Gly Gly Trp
 195 200 205

Ser Ser Asn Glu Glu Glu Glu Pro Ala Val Thr Gly Ser Ala Val Glu
 210 215 220

Gln Glu Thr Ile Ile Ile Ser Asp Asp Asp Asp Thr Asp Asp Arg Gly
 225 230 235 240

Ser Val Glu Thr Trp Asp Glu Ser Asp Ala Asp Glu Gly Thr Gly Ala
 245 250 255

Thr Asp Val Ile Asp Leu Cys Ser Ser Ser Asp Ser Asp Asp Ala
 260 265 270

Asp His Val Thr Ser Gly Gly Val Arg Ala Ala Cys Lys Arg His Ala
 275 280 285

Ser Arg Arg Asp Cys Asn Gly Asp Asp Asp Val Ile Tyr Leu Gly Thr
 290 295 300

Thr Arg Ala Pro Lys Arg Arg Met Thr Ser Thr Thr Gly Gly Gly Ala
 305 310 315 320

Thr Ser Asn Pro Glu Gly Pro Gly Val Ser Gly Arg Gln Thr Met Ala
 325 330 335

Ala Thr Pro Pro Val Cys Gly Asn Asp Asn Tyr Pro Trp Pro Trp Leu
 340 345 350

Asp

<210> 77
 <211> 87
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 77

Met Arg Val Gly Phe Val Trp Arg Phe Trp Ser Gly Gly Arg Arg Ile
 1 5 10 15

Cys Ile Lys Asn Ile Val Arg Cys Ser His Val Asn His Arg Gly Ala
 20 25 30

Ser Val Thr Gly Arg Tyr Arg Gln Pro Arg Thr Gly Pro Gly Glu Gln
 35 40 45

Lys Pro Ser Cys Ser Leu Phe Pro Arg Cys Thr Gly Asn Arg Gln His
 50 55 60

Pro Gly Ser Gly Arg Arg Gly Pro Trp Arg Val Arg Gln Glu His Ser
 65 70 75 80

His Asp Gln Asn Val His Leu
 85

<210> 78
 <211> 255
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 78

Met Asp Thr Trp Leu Glu Thr Val Val Trp His Lys Met Ser Met Thr
 1 5 10 15

Gly Pro Asn Glu Thr Pro Thr Gln Met Leu Leu Ile Ser Asp Ser Trp
 20 25 30

Leu Lys Phe Leu Asn Leu Ser Pro Phe Leu Lys Lys Lys Leu Ala Ala
 35 40 45
 Leu Leu Arg Arg Val Met Asp Met Ser Lys Ala Thr Val Ile Tyr Pro
 50 55 60
 Pro Ile Asp Arg Ile Met Trp Trp Ser Tyr Cys Cys Glu Pro Glu Asp
 65 70 75 80
 Ile Lys Val Val Ile Leu Gly Gln Asp Pro Tyr His Arg Gly Gln Ala
 85 90 95
 Thr Gly Leu Ala Phe Ser Val Ala Pro Asp Tyr Ser Ile Pro Pro Ser
 100 105 110
 Leu Lys Asn Ile Phe Lys Glu Ile Ala Asn Thr Val Pro Gly Phe Thr
 115 120 125
 Ala Pro Ser His Gly Cys Leu Asp Cys Trp Ala Lys Arg Gly Val Leu
 130 135 140
 Leu Leu Asn Thr Ile Leu Thr Val Glu Arg Gly Lys Ala Gly Ser His
 145 150 155 160
 Ser Asn Leu Gly Trp Asp Trp Phe Thr Ser Tyr Ile Ile Ser Cys Leu
 165 170 175
 Ser Ala Lys Leu Gln Arg Cys Val Phe Met Leu Trp Gly Arg Lys Ala
 180 185 190
 Ile Asp Lys Ala Val Leu Ile Asn Gly Gln Arg His Leu Val Leu Lys
 195 200 205
 Ala Arg His Pro Ser Pro Leu Ala Ala Ala His Ala Ala Thr Gly Ser
 210 215 220
 Pro Trp Pro Gln Phe Leu Gly Cys Asn His Phe Lys Leu Ala Asn Asp
 225 230 235 240
 Tyr Leu Val Gln Asn Gln Arg Gly Ala Val Asp Trp Asn Ile Asn
 245 250 255

<210> 79
 <211> 163
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 79

Met Tyr Thr Leu Ser Phe Phe Thr Thr Tyr Phe Ile Leu Tyr Ile Gly
1 5 10 15

Tyr Ser Ser Gly Leu Ile Pro Asn Pro Cys Cys Asp Ile Val Pro Leu
20 25 30

Thr Gly Val Asn Ile Pro Ala Pro Phe Glu Ile Val Ser Phe His Phe
35 40 45

Thr Asp Leu Ala Trp Cys Gln Gly Arg Cys Val Ala Thr Leu Arg Tyr
50 55 60

Lys Val Gly Thr Ile Thr Thr Glu Leu Cys Val Asn Gly Phe His Leu
65 70 75 80

Arg Ala Phe Phe Ile Arg Ile Leu Ser Gly Leu Asp Phe Ser Val His
85 90 95

Arg Glu Glu Leu Asp Leu Leu Asn Tyr Val Arg Ile Ser Leu Glu Asp
100 105 110

Phe Leu Ser Ala Phe Lys Asp Thr His Asp Asn Ser Glu Ser Val Thr
115 120 125

Asn Leu Pro Ala Val Pro Asp Leu Thr Lys Lys Gly Ser Ala Ala Phe
130 135 140

Arg Thr Arg Lys Val Gly Ala Arg Arg Gly Asp Leu Trp Ile Leu Gly
145 150 155 160

Ser Arg Gln

<210> 80

<211> 389

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 80

Met Ala Val Ser Ile Pro Val Gln Gly Val Asp Arg Glu Thr Glu Ser
1 5 10 15

Asn Trp Arg Ser Ile Val Thr Thr Phe Glu Gln His Gly Asn Ala Asp
20 25 30

Arg Ala Ile Arg Ser Leu Leu Arg Phe Phe Lys Gly Val Asp His Pro
 35 40 45

Gly Phe Leu Ala Ser Leu Val Ile Leu Lys Asp Val Ala Ile Asp Ser
 50 55 60

Glu Lys Thr Ile Glu Arg Thr Asp Ile Ile Pro Leu Leu Gln Gly Val
 65 70 75 80

Arg Phe Val Thr Gln Gln Ile Tyr Met His Leu Lys Asp His Ala Ser
 85 90 95

Glu Ser Pro Val Thr Glu Ile Trp Arg Asp Cys Lys Glu Arg Phe Cys
 100 105 110

Leu Ala Leu Glu Leu Ala Cys Gly Cys Gln Ser Cys Thr Ser Ala Ala
 115 120 125

Arg Gln Leu Arg Asp Cys Gln Gln Ala Cys Arg Pro Pro Lys Leu Asn
 130 135 140

Pro His Lys Gln Gln Cys Gly Ala Ala Arg Leu Leu Thr Ala Val Tyr
 145 150 155 160

Asn Gln Met Val Leu Arg Thr Arg Val Ser Val Ser Glu Phe Cys Leu
 165 170 175

Asn Ala Leu Met Cys Val Pro Arg Glu Phe Gly Phe Val Ser Gly Asp
 180 185 190

Val Arg Val Glu Thr Ser Arg Val Ala Ser Cys Met Asn Leu Ser Trp
 195 200 205

Leu Tyr Leu Ile Leu Asp Ser Tyr Ile Arg Thr Asp Leu Thr Asn Leu
 210 215 220

Glu Met Ala Met Ser Arg Ala Cys Arg Ile Arg Gly Leu Ser Thr Arg
 225 230 235 240

Asp Pro Phe Tyr Ser Ala Leu Val Trp Leu Lys Asn Ser Cys Ala Cys
 245 250 255

Ala Ala Asn Thr Phe Phe Phe Thr Val Asn Ser Thr Arg Val Thr Thr
 260 265 270

Pro Ile Leu Met Asp Ile Cys Ala Ser Leu Ala Gly Pro Val Pro Asp
 275 280 285

Val Ile Lys Ile Asn Met Leu Pro Leu Val Asn Asn Gln Met Tyr Pro
 290 295 300

Ser Val Cys Val Glu Arg Ala Asn Phe Thr Gly Ser Cys Pro Lys Met
 305 310 315 320

Ser Pro Thr His Arg Phe Asp Gly Leu Lys Leu Glu Thr Thr Ser Leu
 325 330 335

Thr Leu Ala Ala Asp Ser Leu Asp Asp Ile Leu Gln Ala Leu Glu Leu
 340 345 350

Ile Cys Asp Asp Asp Glu Gly Ile Leu Asp Ser His Ile Ser Asp Ile
 355 360 365

Asp Thr Glu Thr Glu Val Asp Glu Ser Thr Ile Glu Glu Glu Ile Val
 370 375 380

Phe Glu Glu Leu Ser
 385

<210> 81
 <211> 83
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 81

Met Val Asp Pro Phe Lys Lys Ser Gln Lys Arg Pro Asp Gly Ser Ile
 1 5 10 15

Arg Val Ser Met Leu Phe Lys Gly Ser His Asp Gly Ser Pro Val Arg
 20 25 30

Leu Gly Leu Pro Val Asn Thr Leu Asn Trp Asn Gly Asn Ser His Asp
 35 40 45

Thr Val Asn Phe Leu Met Ser Pro Lys Thr Asn Pro Glu Thr Glu Leu
 50 55 60

Asn Thr Asn Asp Cys His Pro Tyr Pro Lys Pro Arg Pro Arg Thr Ile
 65 70 75 80

Arg Pro Gly

<210> 82
<211> 81
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 82

Met Asp Thr Asp Asp Asn Gln Val Ile Lys Leu Phe Phe Ile Gln Asp
1 5 10 15

Ser Gly Gly Arg Val Tyr Ser Gly Val Gly Gly Ser Ile Ser Arg Arg
20 25 30

Trp Glu Trp Leu Met Asn Pro His Leu Val Leu Gly Ser Gly Ala Leu
35 40 45

Cys Ile Leu Leu Val Gln Leu Asn Leu Asn Leu Ala Cys Leu Gly Arg
50 55 60

Thr Asn Gln Lys Thr Ala Trp Pro Arg Leu Leu Gly Ala Leu Cys Lys
65 70 75 80

Leu

<210> 83
<211> 301
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 83

Met Ser Arg His Tyr Gly Lys Asp His Leu Leu Asn His Met Tyr Lys
1 5 10 15

Phe His Tyr Pro Pro Leu Gly Met Ile Val Gly Glu Met Asn Thr Leu
20 25 30

Thr Val Asn Ala Arg Asn Pro Leu Tyr Gln Ala Ala Thr Leu Arg Val
35 40 45

Glu Arg Ala Leu Tyr Leu Ser Lys Ile Leu Gln Val Leu Met Gln His
50 55 60

Arg Gln Gly Glu Arg Phe Ile Val Pro Gln Cys Arg Ser Asn Met Val

65		70		75		80									
Tyr	Cys	Leu	Lys	Glu	Leu	His	Lys	Ile	Thr	Asn	Asp	Arg	Ile	Arg	Gly
				85					90					95	
Leu	Ile	Asn	Ser	Val	Leu	Pro	Leu	Val	Asp	Ala	Gly	Cys	Val	Gly	Phe
			100					105					110		
Asp	Glu	Glu	Leu	Val	Arg	Ile	Leu	Pro	Glu	Ile	Leu	Lys	Leu	Glu	Tyr
		115					120					125			
Pro	His	Val	His	Glu	Leu	Leu	Pro	Pro	His	Asp	Pro	Thr	Ser	Pro	Leu
		130				135						140			
Ser	Trp	Cys	Leu	Ser	His	Met	Val	Gly	Val	Thr	Lys	Thr	Phe	Lys	Gly
145					150					155					160
Glu	Val	Lys	Glu	Met	Ile	Asp	Thr	Phe	His	Asp	Leu	Ser	Val	Pro	Ser
				165					170					175	
Phe	Gln	Tyr	Leu	Ala	Ser	Leu	Val	Lys	Lys	Phe	Phe	Leu	Val	Glu	Glu
			180					185					190		
Val	Ile	Tyr	Glu	Asp	Tyr	Gln	Asp	Thr	Gln	Phe	Asn	Val	Phe	Leu	Asn
		195					200					205			
Leu	Cys	Phe	Phe	Trp	Thr	Thr	Val	Ile	Lys	Met	Tyr	Gln	Ser	Cys	Ile
		210				215					220				
Phe	Lys	Asp	Lys	Leu	Leu	Asp	Thr	Ile	Lys	Ala	Cys	Ile	Glu	Leu	Leu
225					230					235					240
Lys	Gly	Glu	Ala	Arg	Gln	Phe	Phe	Gly	Trp	Tyr	Asp	Leu	Asn	Thr	Pro
				245					250					255	
Asn	Leu	Gly	Ser	Ala	Ala	Leu	Val	Lys	Tyr	Thr	Glu	His	Leu	Ile	Arg
			260					265					270		
Ala	Leu	Ser	Val	Asp	Ser	Ser	Ala	Ile	Pro	Ile	Gly	Glu	Ile	Cys	Ser
		275					280					285			
His	Leu	His	His	Cys	Lys	His	Ala	Leu	Leu	Asn	Leu	Glu			
	290					295					300				

<210> 84

<211> 85
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 84

Met Gly Met Ala Asp Glu Ser Thr Leu Ser Ala Arg Ile Arg Cys Ser
 1 5 10 15

Val Tyr Phe Thr Ser Ala Ala Glu Pro Lys Phe Gly Val Phe Arg Ser
 20 25 30

Tyr Gln Pro Lys Asn Cys Leu Ala Ser Pro Phe Arg Ser Ser Met Gln
 35 40 45

Ala Leu Met Val Ser Asn Ser Leu Ser Leu Lys Met Gln Leu Trp Tyr
 50 55 60

Ile Phe Met Thr Val Val Gln Lys Lys Gln Arg Phe Lys Asn Thr Leu
 65 70 75 80

Asn Cys Val Ser Trp
 85

<210> 85
 <211> 514
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 85

Met Glu Cys Ala Ser Leu Gly Pro Ile Ser Gly Leu Ile Ala Asp Leu
 1 5 10 15

Asn Leu Phe Asn Leu Phe Cys Leu Tyr Arg Gly Ser Arg Val Lys Thr
 20 25 30

Arg Gly Ala Ala Thr Cys Asn Val Pro Cys Ala Glu Cys Ala Gln Gly
 35 40 45

Val Val Arg Ile Leu Thr Glu Arg Ala Leu Cys Cys Thr Glu Lys Met
 50 55 60

Phe Ile Ala Ser Ala Cys Ser Gly Val Val Leu Pro Pro Gln Leu Ala
 65 70 75 80

Lys Val Phe His Asp Val Tyr Ala Glu Met Lys Ala Lys Cys Leu Gly
 85 90 95

Ala Trp Arg Arg Leu Ile Cys Cys Arg Arg Pro Ile Met Ala Ile Ala
 100 105 110

Asp Ser Val Leu Val Thr Tyr Asn Thr Leu Asp Ala Glu Gly Lys Leu
 115 120 125

Asp Leu Lys Leu Lys Ala Leu Cys Lys Leu Val Phe Gln Pro Ile Phe
 130 135 140

Leu Gln Arg Ile Leu Ala Pro Met Gln Leu Leu Ala Asn Gly Lys Met
 145 150 155 160

Val Pro Asp Asn Tyr Phe Thr Ile Thr Gly Thr Ala Glu Lys Arg Arg
 165 170 175

Pro Val Val Thr Gly Ser Thr Ser Gly Met Thr Cys Pro Gly Ser Ser
 180 185 190

Leu Val Pro Asp Ser Leu Ile Leu Pro Val Cys Glu Pro Gly Leu Leu
 195 200 205

Pro Ala Pro Leu Val Asp Leu Ser Asn Val Leu Glu Asn Pro Glu Ile
 210 215 220

Ile Leu Ser Ala Pro Pro Leu Ser Gln Phe Val Ile Thr Asn Thr His
 225 230 235 240

Pro Ser Leu Pro Gln Ser Val Ser Ile Ile Thr Pro Thr Gln Gly Val
 245 250 255

Val Pro Gly Gln Cys Phe Met Asp Thr Trp Lys Ala Val Ser Gln Ser
 260 265 270

Ile His His Gln Ala His Thr Pro Ile Phe Ala Ala Thr Leu Ala Gly
 275 280 285

Ser Thr Ser Ala Ala Pro Gly Pro His Ile Ala Cys Ser Pro Val Ala
 290 295 300

Gly Thr Ser Arg Gln Val Glu Ala Ser Ala Gly Val Asp Cys Gly Lys
 305 310 315 320

Pro Val Cys Ala Pro Gln Pro Asp Ile Pro Pro His Val Pro Thr Lys
 325 330 335

Arg Met Glu Thr Val Ala Gln Ser Gly Asn Ala Pro Val Lys Asn Val
 340 345 350

His Ile Gly Gly Arg Val Tyr Ala Pro Leu Val Asn Ile Pro Ile Ile
 355 360 365

Asp Leu Thr Ser Pro Ser Gly Ser Gly Gln Ser Pro Val Asn Ile Ala
 370 375 380

Asn Thr Pro Glu Ser Arg Met Ala Ala Gly Ser Pro Pro Phe Ala Glu
 385 390 395 400

Thr Ala Ala Thr Val Pro Ala Lys Arg Lys Gln Pro Arg Glu Asp Val
 405 410 415

Ala Asp Lys Arg Ser Lys Gly Asp Gly Arg Gly Ala Ala Thr Val Asn
 420 425 430

Pro Pro Phe Pro Gly Pro Pro Ala Met Arg Val Arg Glu Gln Gly Leu
 435 440 445

Phe Asp Leu Ile Glu Ser Ser Thr Asp Val Thr Ala Asn Ala Ser Gly
 450 455 460

Pro Lys Asn Asp Asp Asp Met Leu Ala Ala Ile Leu Gln Asp Leu Tyr
 465 470 475 480

Gly Leu Gln Ser Pro Pro Ala Ile Asp Ser Pro Ser Ser Asn Ser Asp
 485 490 495

Asn Glu Asp Ile Phe Pro Glu Val Ser Pro Pro Ser Ser Gly His Gly
 500 505 510

Ser Pro

<210> 86
 <211> 224
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 86

Met Ser Ser Leu Ser Glu Leu Leu Glu Gly Glu Ser Ile Ala Gly Gly
 1 5 10 15

Asp Cys Arg Pro Tyr Arg Ser Cys Arg Ile Ala Ala Asn Met Ser Ser
 20 25 30

Ser Phe Phe Gly Pro Asp Ala Phe Ala Val Thr Ser Val Glu Leu Ser
 35 40 45

Ile Lys Ser Asn Lys Pro Cys Ser Arg Thr Arg Ile Ala Gly Gly Pro
 50 55 60

Gly Asn Gly Gly Phe Thr Val Ala Ala Pro Arg Pro Ser Pro Phe Asp
 65 70 75 80

Leu Leu Ser Ala Thr Ser Ser Arg Gly Cys Phe Leu Leu Ala Gly Thr
 85 90 95

Val Ala Ala Val Ser Ala Lys Gly Gly Glu Pro Ala Ala Met Arg Asp
 100 105 110

Ser Gly Val Leu Ala Ile Leu Thr Gly Leu Cys Pro Glu Pro Asp Gly
 115 120 125

Asp Val Lys Ser Ile Ile Gly Ile Leu Thr Ser Gly Ala Tyr Thr Arg
 130 135 140

Pro Pro Met Trp Thr Phe Phe Thr Gly Ala Phe Pro Asp Cys Ala Thr
 145 150 155 160

Val Ser Ile Leu Leu Val Gly Thr Trp Gly Gly Ile Ser Gly Cys Gly
 165 170 175

Ala His Thr Gly Phe Pro Gln Ser Thr Pro Ala Asp Ala Ser Thr Cys
 180 185 190

Arg Asp Val Pro Ala Thr Gly Glu His Ala Ile Cys Gly Pro Gly Ala
 195 200 205

Ala Asp Val Glu Pro Ala Ser Val Ala Ala Lys Ile Gly Val Cys Ala
 210 215 220

<210> 87
 <211> 170
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 87

Met Pro Arg Val Lys Thr Gln Pro Lys Arg Pro Gln Val Phe Asp Phe

1	5	10	15
Met	Pro	Leu	Asp
	20		
Leu	His	Gly	Glu
		25	
Thr	Arg	Ala	Glu
			30
Met	Asp	Ser	Gln
Ser	Leu	Cys	Pro
	35		
Asp	Gly	Gln	Asp
		40	
Leu	Leu	Gly	Ser
			45
Tyr	Ile	Tyr	Thr
Glu	Asn	Asn	Gly
	50		
Pro	Phe	Ser	Gln
		55	
Met	Met	His	Asn
			60
Gly	Gln	Ser	Asn
Asn	Gly	Thr	Gly
	65		
Glu	Ser	Phe	Gly
	70		
Ser	Tyr	Ala	Ala
		75	
Gly	Asp	Gly	Phe
			80
Leu	Gly	Gly	Ser
	85		
Val	Ser	Gly	Met
		90	
His	Gly	Asn	Gly
			95
Thr	Val	Asp	Gly
Leu	Cys	Ser	Lys
	100		
Lys	Gln	Ser	Ala
		105	
Cys	Arg	Lys	Arg
			110
Ser	Ala	Ala	Leu
Ile	His	Ala	Ala
	115		
Ser	Glu	Ala	Ser
		120	
Val	Ala	Glu	Gln
			125
Gly	Thr	Ser	Gln
Gly	Thr	Asn	Ala
	130		
Val	Ser	Asp	Arg
		135	
Ile	Gly	Arg	Asp
			140
Gly	Gly	Ile	Gly
Asn	Lys	Leu	Leu
	145		
Lys	Val	Ser	Ala
	150		
Arg	Leu	Pro	Asp
		155	
Lys	Thr	Lys	Thr
			160
Leu	Pro	Asp	Pro
	165		
Ser	Leu	His	Cys
			170
Tyr	Phe		
<210>	88		
<211>	244		
<212>	PRT		
<213>	Japanese Macaque Herpesvirus		
<400>	88		
Met	Arg	Ile	Tyr
	1		
Gly	Ile	Lys	Gly
	5		
Leu	Asn	Phe	Phe
			10
Gly	Ile	Met	Gly
			15
Phe	Trp	Asn	Ile
	20		
Pro	Leu	Gly	Trp
		25	
Gly	Leu	Cys	Phe
			30
Met	Val	Trp	Val
Ala	Trp	Ile	Ala
	35		
Arg	Gly	Arg	Ser
		40	
Val	Cys	Pro	Thr
			45
Trp	His	Leu	Thr

Asp Gly Lys Tyr Glu Ala Val Tyr Arg His Tyr Leu Glu Glu Cys Arg
 50 55 60

Lys His Glu Gly Ser Gly Ser Pro Asp Gly Ser Gly Lys Thr Glu Gly
 65 70 75 80

Ser Gly Thr Lys Ala Thr Thr Glu Ala Asn Ile Ser Ile Arg Pro Asn
 85 90 95

Val Val Thr Ser Gly Gln Asp Lys Glu Pro Met Lys Thr Ala Pro Arg
 100 105 110

Ala Glu Ser Ser His Asp Leu Pro Arg Ile Glu Gln Val Asn Ala Leu
 115 120 125

His Leu Ser Thr Pro Glu Leu Ala Gln Pro Leu Pro Val Val Glu Ser
 130 135 140

Thr Pro Arg Glu Ser Gln Ser Gly Gly Thr Pro Trp Asp Ala Arg Pro
 145 150 155 160

His Ala Phe Ile Met His Thr Asn Asp Met Leu Asn Pro Ser Val Val
 165 170 175

Leu Ser Phe Arg Ala Val Arg Ala Arg Ser Ile Arg Asp Thr Glu Gln
 180 185 190

Ser Ile Arg Asp Arg Asn Thr Val Thr Thr Ser Tyr Arg Thr Pro Gly
 195 200 205

Arg Pro Ser Leu Val Gln Ala Arg Pro Ser Ser Tyr Gly Ala Arg Leu
 210 215 220

Pro Pro Ser Pro Arg Thr Met Ala Arg Tyr Ala Glu Thr Arg Pro Thr
 225 230 235 240

Asp Asp Gln Asn

<210> 89
 <211> 92
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 89

Met Asp Cys Ser Val Ser Arg Met Glu Arg Ala Arg Thr Ala Leu Lys
 1 5 10 15

Asp Arg Thr Thr Asp Gly Leu Ser Met Ser Phe Val Cys Ile Met Asn
 20 25 30

Ala Trp Gly Arg Ala Ser Gln Gly Val Pro Pro Asp Cys Asp Ser Arg
 35 40 45

Gly Val Asp Ser Thr Thr Gly Arg Gly Cys Ala Asn Ser Gly Val Asp
 50 55 60

Lys Trp Arg Ala Leu Thr Cys Ser Met Arg Gly Arg Ser Cys Asp Asp
 65 70 75 80

Ser Ala Leu Gly Ala Val Phe Ile Gly Ser Leu Ser
 85 90

<210> 90
 <211> 139
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 90

Met Ser Ser Thr Arg Pro Lys Thr Arg Ala Pro Lys Lys Glu Leu Thr
 1 5 10 15

Met Glu Glu Leu Ala Ala Gln Val Gln Lys Leu Ser Val Glu Asn Lys
 20 25 30

Gln Leu Lys Lys Leu Ile Asn Ser Gly Asp Pro Thr Arg Ser Gly Ser
 35 40 45

Asp Pro Val Ile Ser Asn Ser Glu Lys Glu Ala Lys Ile Ala Ala Ala
 50 55 60

Val Ser Ala Leu Cys Asn Val Ala Thr Arg Lys Ile Glu Ala Lys Val
 65 70 75 80

Arg Ala Val Thr Ala Lys Ala Val Thr Arg Gly Gln Val Glu Glu Ala
 85 90 95

Leu Ala Gly Ile Asn Ile Arg Val Asp Val Ser Met Asp Glu Thr Thr
 100 105 110

Arg Gly Gly Ile Thr Ala Ser Ala Asp Gly Ala Leu Arg Arg Arg
 115 120 125

Ala Gln Ser Arg Thr Arg Asn Asn Asp Ala Asp
 130 135

<210> 91
 <211> 104
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 91

Met Thr Gly Ser Ile Val Leu Ala Leu Ala Leu Thr Ala Cys Leu Tyr
 1 5 10 15

Leu Cys Leu Pro Val Cys Ala Thr Val Thr Thr Ser Ser Thr Thr Gly
 20 25 30

Thr Gly Thr Pro Pro Val Thr Thr Thr Pro Ser Ala Ala Pro Ser Val
 35 40 45

Thr Pro Ser Phe Tyr Asp Tyr Asp Cys Ser Ala Asp Thr Tyr Gln Pro
 50 55 60

Val Leu Ser Ser Phe Ser Ser Ile Trp Ala Val Ile Asn Ser Val Leu
 65 70 75 80

Val Ala Val Ala Thr Phe Leu Tyr Leu Thr Tyr Met Cys Phe Phe Lys
 85 90 95

Phe Val Glu Thr Val Ala His Glu
 100

<210> 92
 <211> 290
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 92

Met Ala Glu Val Thr Ala His Thr Val Ala Tyr Ala Phe Asp Ser Cys
 1 5 10 15

Lys Phe Glu Ile Ile Pro Lys Asn Asn Ser Ser Arg Ile Ala Leu Arg
 20 25 30

Asn Lys Phe Pro Val Val Val Lys Pro Gly Glu Pro Leu Val Val Pro
 35 40 45

Leu Gly Leu Arg Ile Ile Arg Ala Pro Gln Cys Ala Phe Phe Leu Ser
50 55 60

Gly Ala Pro Thr Asp Glu Val Tyr Tyr His Thr Gly Leu Ile Asp Gln
65 70 75 80

Gly Tyr Arg Gly Glu Ile Lys Leu Ile Val Leu Asn Lys Thr Lys Gln
85 90 95

Ser Val Thr Leu Tyr Arg Gly Glu Val Asn Val Ser Leu Ile Ala Phe
100 105 110

Met Tyr Ala Ser Pro Gly Pro Leu Lys Cys Pro Ile Leu Asn Leu Pro
115 120 125

His Tyr Ser Leu Asp Ala Gly Phe Asp Val Thr Ser Pro His Ala Met
130 135 140

Thr Ile Pro Pro Thr Asp Arg Thr Pro Phe Thr Leu Ser Leu Tyr Tyr
145 150 155 160

Lys Ser Pro Gln Leu Ser Thr Pro His Val Pro Leu Ile Val Gly Arg
165 170 175

Ser Gly Leu Ala Ala Lys Gly Leu Thr Val Asp Ala Thr Lys Trp Thr
180 185 190

Gln Ser Leu Val His Leu Arg Phe Tyr Asn Phe Thr Lys Glu Pro Ile
195 200 205

Asp Ile Pro Ala Asn Ser Arg Ile Cys Gln Val Val Phe Ile His Glu
210 215 220

Asp His Val Pro Ser Gly Trp Asn Ile Leu Arg Ser Arg Val Gln Leu
225 230 235 240

Gly Ser Thr Leu Gln Ile Ser Trp Ala Lys Ile Arg Phe Thr Asp Val
245 250 255

Ala Thr Leu Pro Ala Thr His Pro Leu Asn Ser Arg Pro Thr Gln Ser
260 265 270

Gln Thr Glu Pro Glu Thr Asn Arg Gly Ala Lys Gly Leu Gly Ser Ser
275 280 285

Gly Leu
290

<210> 93
<211> 140
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 93

Met Ser Gly Ser Val Tyr Ser Arg Arg Pro Arg Pro Lys Arg Val Glu
1 5 10 15

His Ser Glu Ile Pro Arg Thr Thr Arg Gln His Pro Pro Asp Ile Val
20 25 30

Gly Gln Asn Gln Val His Arg Arg Gly His Ala Ser Arg Asn Pro Pro
35 40 45

Ala Gln Leu Pro Pro His Ser Lys Pro Asp Arg Thr Arg Asp Gln Pro
50 55 60

Arg Arg Lys Gly Val Gly Val Val Arg Val Ile Ile Leu Lys His Gly
65 70 75 80

Ile Ile Leu Lys Leu Phe Ile Phe Asn Lys Thr Ile Gln Ile Asn Ile
85 90 95

Asn His Gln Pro Gly His Leu Val Leu Phe Cys Leu Ala Arg Tyr Tyr
100 105 110

Pro Pro Pro Pro Thr Gly Ala Ser Val Val Glu Ser Pro Asp Gly Arg
115 120 125

Gly Trp Arg Thr Leu Arg Tyr Leu Pro Ala His Tyr
130 135 140

<210> 94
<211> 210
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 94

Met Ala Ala Pro Gly Ser Phe Trp Thr Cys Cys Gly Phe Ser Pro Phe
1 5 10 15

Gly Arg Val Gly Cys Arg Tyr Arg Pro Leu Pro Asp Pro Leu Asn Glu
20 25 30

Cys Pro Thr His Trp Arg Thr Glu Ile Ala Met Gly Leu Pro Pro Gly
35 40 45

Val Asp Met Gly Asp Val Lys Gln Ala Glu Met Cys Thr Ala Ala Leu
50 55 60

Arg Gln Thr Tyr Leu Leu Ala Val Gln Ser Asn Lys Ile Thr Glu Tyr
65 70 75 80

Leu Arg Arg Phe Asp Ala Ala Arg Val Pro Ala Gly Cys Gln Glu Thr
85 90 95

Val Arg Ile Gln Ile Ser Lys Leu Lys Ser Ile Gln Asn Val Ile Trp
100 105 110

Asn Ala Met Leu Ser Leu Ala Ile Gly Asp Ile Thr Val Asp Glu Ser
115 120 125

Ala Phe His Ala Leu Leu Asn Lys Arg Ala Asp Glu Thr Val Ser Leu
130 135 140

Leu Glu Met Glu Lys Leu Ala Thr Thr Ile Ala Ser Asp Asp Ser Val
145 150 155 160

Thr Trp Ala Ala Glu Ile Asn Asn Val Leu Val Asp Thr Glu Ala Ser
165 170 175

Ser Asn Pro Ser His Pro Val Ile Arg Gln Pro Thr Pro Gln Leu Ala
180 185 190

Val Ala Asp Asn Ile Val Pro Asp Lys Ile Ile Gln Asp Ala Gln Ala
195 200 205

Asp Gly
210

<210> 95
<211> 838
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 95

Met Ser Gln Val Arg Pro Leu Pro Asp Glu Arg Val Asn Glu Ile Arg

1	5	10	15
Ala Ile Phe Ser Thr Ser Gly Asp Met Ala Glu Val Ile Thr Asp Ile	20	25	30
Leu Thr Gly Thr Gln Ala Thr Ala Ser Phe Phe Cys Val Leu His Asp	35	40	45
Arg Gly Asn Val Pro Ile Asn Thr Pro His Ala Val Ile Lys Leu Cys	50	55	60
Leu Pro Ala Arg Arg Pro Gly Gly Gly Pro Arg Cys Leu Pro Leu Met	65	70	75
Val Leu Asn Leu Pro Ala Trp Gln Val His Leu Phe Leu Thr Gly Asp	85	90	95
Ala Pro Leu Thr Ser Asp Asn Ile Lys Asp Arg Ile Asp Leu Ala Gln	100	105	110
Thr Glu Glu Ile Leu Glu Pro Ile Leu Ser Val Leu Ala Cys Lys Arg	115	120	125
Ser Ala Gln Gln Thr Lys His Asp Ser Phe Lys Ser Lys Val Ala Trp	130	135	140
Phe Arg Ala Lys Phe Val Ser Ala Leu Arg Lys Val Tyr Lys Met Thr	145	150	155
Pro Ser Pro Tyr Trp Met Ile Thr Leu Leu Gly Ser Phe Glu Ala Ser	165	170	175
Phe Val Leu Ala Gly Thr Phe Tyr Phe Phe Gln Ser Tyr Thr Cys Thr	180	185	190
Ala Glu Thr Leu Val His Leu Thr Arg Leu Phe Ile Ser Ser Gln Gly	195	200	205
Gln Ser Leu Val Thr Val Asn Thr Tyr Asp Glu Leu Gly Arg Val Phe	210	215	220
Gly Arg Ser Asp Phe Leu Glu Ile Val Pro Asn Phe Trp Ala Tyr Leu	225	230	235
Lys Tyr Lys Met Gln Gln Asp Asp Val Glu Ser Lys Ala Ile Asp Gln			

	245		250		255										
Thr	Ile	Asn	Ser	Ile	Arg	Gly	Gly	Leu	Met	Leu	Ser	Pro	Gln	Asp	Leu
		260						265					270		
Val	His	Phe	Ile	Tyr	Leu	Ser	Phe	Tyr	Glu	Cys	Met	Asn	Ala	Gln	Thr
		275					280					285			
Phe	Leu	Ser	Tyr	Ser	Arg	Thr	Thr	Ala	Ser	Leu	Pro	Thr	Pro	Ala	Thr
	290					295					300				
Val	Asn	Pro	Pro	Gln	Leu	Cys	Arg	Arg	Leu	Glu	Ala	Asp	Phe	Lys	Glu
305					310					315					320
His	Val	Met	Ala	Tyr	Tyr	Asn	Lys	Ala	Ser	Tyr	Leu	Ser	Thr	Tyr	Ile
				325					330					335	
Thr	Ile	Leu	Thr	Val	Pro	Ala	Pro	Leu	Pro	Glu	Gly	Tyr	Glu	Asn	Phe
			340					345					350		
Gln	Glu	Leu	Ala	Cys	Gln	Tyr	Trp	Cys	Gly	Gln	Ser	Arg	Asp	Val	Ala
		355					360					365			
Glu	Ile	Met	Thr	Arg	Ile	Asn	Asp	Gln	Tyr	Pro	Gln	Leu	Asn	Leu	Thr
	370					375					380				
Lys	Asp	Leu	Ser	Gly	Leu	Leu	Asp	Leu	Ala	Ala	Leu	Asp	Gln	Asp	Ser
385					390					395					400
Gly	Gly	Pro	Lys	Glu	Asn	Leu	Phe	Thr	Val	Ala	Ser	Arg	Ile	Pro	Thr
				405					410					415	
Tyr	Arg	Cys	Glu	Phe	Leu	Asn	Lys	Gln	Tyr	Phe	Val	Leu	Met	His	Thr
			420					425					430		
Asp	Cys	Ile	Asp	Ala	Tyr	Trp	Lys	Gln	Asn	Ile	Ile	Val	Pro	Glu	Asp
		435					440					445			
Ala	Gln	Leu	Gln	Gly	Leu	Thr	Asp	Gln	Asp	Leu	Thr	Ser	Arg	Ile	Phe
	450					455					460				
Tyr	Cys	Asp	Leu	Gly	Leu	Ser	Leu	Pro	Thr	Phe	Lys	Gln	Gln	Ile	Met
465					470					475				480	
Val	Ser	Arg	His	Glu	Tyr	Phe	Asn	Pro	Arg	Leu	Pro	Val	Tyr	Arg	Trp

725

730

735

Trp Pro Lys Leu His Asp Thr Ile Gln Arg Phe Phe Pro Asp Asp Arg
 740 745 750

Ile Gly Gln Phe Ala Ser Val Ser Phe Met His Ser Gly Asp Asn Ile
 755 760 765

Ile Gln Val Arg Pro Gln Lys Gly Asn Asn Phe Phe Cys Ile Asn His
 770 775 780

Lys His Arg Asn His Thr Gln Thr Val Arg Val Phe Leu Thr Leu His
 785 790 795 800

Ser Thr Lys Glu Ser Glu Val Thr Val Thr Phe Met Ser Gln Cys Phe
 805 810 815

Ala Ala Lys Cys Asn His Asn Ser Pro Thr Ala His Phe Ser Phe Met
 820 825 830

Val Pro Ile Thr Cys Thr
 835

<210> 96
 <211> 91
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 96

Met Leu Ser Pro Glu Cys Met Lys Leu Thr Asp Ala Asn Trp Pro Met
 1 5 10 15

Arg Ser Ser Gly Lys Lys Arg Cys Met Val Ser Cys Ser Phe Gly His
 20 25 30

Thr Ala Val Ala Ala Gln Ser Ile Ser Gly Phe Ser Val Val Arg Ser
 35 40 45

Ile Phe Ser Ala Lys Ser Val Ile Val Phe Gly Arg Leu Phe Leu Val
 50 55 60

Leu Leu Ser Arg Lys Pro Ser Phe Ser Ser Ala Ile Ala Tyr Thr Arg
 65 70 75 80

Trp Pro Phe Leu Val Thr Glu Ser Pro Gly Ala
 85 90

<210> 97
 <211> 89
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 97

Met Ala Gln Ala Met Val Ser Leu Glu Tyr Met Lys Asp Ile Leu Asp
 1 5 10 15

Gly Lys Lys Thr Ser Tyr Gly Ser Tyr Asn Phe Tyr Leu Lys Pro Gln
 20 25 30

Leu Thr Lys Arg Leu Val Leu Tyr Ala Leu His Ala Val Arg Val Ser
 35 40 45

Arg Thr Asn Leu Phe Tyr Arg Gly His Ile Ile Ile Gly Leu Arg Arg
 50 55 60

Leu Leu Ile Gly Arg Asp Gly Arg Pro Val Pro Asp Ala Gly Ala Arg
 65 70 75 80

Thr Val His Gly Thr Ala Gln Leu Ser
 85

<210> 98
 <211> 440
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 98

Met Arg Tyr Val Phe His Ala Leu Ile Cys Phe Ile Gly Gly Ile Ser
 1 5 10 15

Ser Ser Asp Phe Asp Asp Ser Ser Ser Asp Glu Met Asp Asp Leu Ser
 20 25 30

Pro Thr Pro Glu Pro Glu Pro Ser Thr Ala Pro His Ser Phe Pro Glu
 35 40 45

Gly Pro Lys Ser Lys Val Val Ala Leu Pro Lys Ile Arg Lys Arg Ser
 50 55 60

Arg Ser Lys Thr Pro Val Lys Ile Glu His Arg Ser Pro Leu Asn Arg
 65 70 75 80

Ser Arg Ser Arg Ser Arg Thr Arg Ser Gly Ser Gly Gln Arg Thr Ser
 85 90 95

Ser Thr Tyr Val Lys Arg Phe Lys Pro Thr Val Asp Ala Pro Arg Ser
 100 105 110

Arg Glu Pro Trp His Arg Gly Gly Lys Gly Lys Ala Pro Phe Ile Arg
 115 120 125

Arg Asn Ala Leu Ala Glu Arg Gly Arg Arg Thr Tyr Gly Asn Glu His
 130 135 140

Arg Gly Lys Ser Ala Leu Thr Arg Asn Ile Lys Glu Ser Ile Lys Lys
 145 150 155 160

Met His Leu Pro Ser Thr Met Leu Ser Arg Pro His Asp Lys Lys Val
 165 170 175

Phe Glu Gly Leu Leu Pro Arg His Leu Glu Gln Cys Phe Gln Val Cys
 180 185 190

Leu Pro Ala Pro Pro Pro Leu Arg Pro Glu Val Phe Thr Asp Arg Gln
 195 200 205

Leu Thr Ala Ile Val Lys Ser Gly Gly Arg Arg Asp Ala Leu Val Ala
 210 215 220

Lys Lys Val Ser Leu Ala Lys Val Met Ser Met Tyr Lys Pro Leu Leu
 225 230 235 240

Thr Phe Val Thr Gly Arg Asn Asn Gln Ala His Trp Leu Ala Thr Arg
 245 250 255

Lys Asn Thr Leu Ala Ser Ala Gly Leu Glu Ala Leu Ala Ala Phe Ile
 260 265 270

Glu Glu Gly Leu Ala Trp Ala Gln Val Cys Val Ser Gln Asn Arg Ser
 275 280 285

Leu Asn Asp Ser Asn Leu Asp Ile Ile Leu Asp Ser Ser Gln Ser Val
 290 295 300

Cys Thr Trp Phe Ile Ser Lys Ile Arg His Leu His Ile Gln Cys Phe
 305 310 315 320

Leu Glu Asn Gln Gly Glu Ile Ser Leu Val Lys Gln Leu Thr Tyr Leu
 325 330 335

Val Cys Ile Asn Asn Arg Leu Ala Glu Ala Ala Asn Leu Ala Gly Glu
 340 345 350

Val Lys Leu Asn Phe Lys Phe Ala Met Leu Ile Gly Phe Ala Leu Thr
 355 360 365

Leu Pro Ala Leu Leu Ala Glu Gln Lys Leu Ser Gly Glu Ser Leu Tyr
 370 375 380

Leu Phe Arg Ser Phe Leu Glu Lys Tyr Arg Pro Gly Asp Val Met Gly
 385 390 395 400

Leu Leu Asn Ser Ile Val Val Glu His Tyr Thr Lys Cys Arg Ser Ala
 405 410 415

Glu Cys Val Ile Thr Thr Arg Ala Met Val Gly Ser Gly Glu Asn Asn
 420 425 430

Lys Gly Leu Phe Phe Phe Pro Ala
 435 440

<210> 99
 <211> 413
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 99

Met Ala Thr Trp Cys Pro Pro His Ser Gly Gly Pro Ser Ala Met Gly
 1 5 10 15

Leu Arg Glu Trp Ile Val Thr His Ala Asn Leu Gly Thr Tyr Ser Gly
 20 25 30

Leu Phe Trp Ala Asp Asp Glu Lys Thr Arg Val Val Leu Ala Thr Thr
 35 40 45

Thr Ala Trp Thr Val Glu Phe Asp Tyr Pro Arg Asp Gly Lys Val Tyr
 50 55 60

Glu Asp Tyr Cys Asn Gln Arg Asn Ile Pro Leu Pro Ser Gly Arg Pro
 65 70 75 80

Arg Leu Cys Gln Ala Lys Ala Arg Leu Leu Gly Ala Ile Arg Lys Ser

85

90

95

Ala Tyr Phe Val Glu Glu Lys Asn Phe Leu Arg Arg Ser Phe Ser Phe
 100 105 110

Pro Thr Val Val Phe Arg Leu Arg Ser Asn Glu Glu Met Ser Cys Arg
 115 120 125

Leu Cys Pro Arg Ala Ser Gly Val Ala Ala Glu Leu Arg Gly Leu Arg
 130 135 140

Phe Arg Met Phe Lys Arg Lys Gly Ala Asp Asp Val Gly Arg Val Thr
 145 150 155 160

Glu Tyr Thr Val Lys Gln Leu Leu Gly Leu Leu Arg Thr Arg His Ala
 165 170 175

Gly Ala Ser Thr Met Thr Ala Pro Ala Thr Glu Ala Ser Ala Thr Thr
 180 185 190

Ala Gly Glu Asp Gly Arg Gln Asp Glu Ser Glu Gly Gly Ala Val Ala
 195 200 205

Leu Pro Glu Glu His Thr Pro Pro Leu Ser Val Ser Ser Gly Leu Ser
 210 215 220

Ala Cys Leu Ala Pro Ser Val Asp Asp Pro Trp Gly Phe Met His Ile
 225 230 235 240

Gln Val Tyr Tyr Tyr Gly Phe Leu Gln Ser Gln Val Phe Thr Arg Thr
 245 250 255

Gly Met Gly Val Arg Leu Ser Thr Arg Pro Thr Asp Lys Asn Glu His
 260 265 270

His Val Cys Met Ala His Gly Pro Leu Gln Leu Trp Leu Pro Pro Ala
 275 280 285

Pro His Met Asp Asp Asp Val Met Leu Ser Arg Leu Val Asn Ala Leu
 290 295 300

Asn Ala Leu Glu Asp Gly Ile Val Leu Ser Ser Cys Gln Tyr Gly Ile
 305 310 315 320

Met Met Asn Gly Tyr Gly Phe Leu Asn Leu Trp Phe Arg Gly Asn Thr

Met Arg Leu Pro Val Gly Ala Asp Val Cys Ser Arg His Glu Ile Ile
 1 5 10 15

Pro Pro Ala Ala Thr Asn Ser Leu Ser Ala Gln Ser Ala Gly Tyr Arg
 20 25 30

Leu Ile Ser Leu Thr Ser Thr Pro Pro His His Leu His Arg Ser Cys
 35 40 45

Pro Cys Pro Asp Cys Pro Leu Asn Leu Val Arg Ser Arg Pro Ala Leu
 50 55 60

Leu Pro Gly Gln Ala Ile Asp Ser Ser Pro Leu Arg Asp Leu Pro Tyr
 65 70 75 80

Gly Arg Asn Arg Arg His Glu Pro Leu Met Phe Gln Leu Ser Arg Gly
 85 90 95

Lys Asn Asn Pro Arg Cys Arg Thr Gln Thr Arg Phe Arg Thr Arg Asn
 100 105 110

Ala Val Leu Trp Arg Trp Val His Gly Arg Asp Ser Ala Thr Glu Pro
 115 120 125

Thr Asp Thr Gly Arg Phe Val His Asn Leu
 130 135

<210> 102
 <211> 413
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 102

Met Ala Gly Arg Gly Val Asp Ile Lys Ala Trp Leu Val Ala Ala Val
 1 5 10 15

Glu Ser Ser Glu Tyr His Gly Leu Val Trp Glu Asn Glu Asp Lys Thr
 20 25 30

Val Val Arg Val Pro Trp Asn Lys Val Thr Ala Ala Arg Ser Asp Ser
 35 40 45

Glu Lys Phe Phe Asp Asp Tyr Cys Asn Met Arg Gly Ile Cys Gln Gly
 50 55 60

Glu Lys Pro Pro His Tyr Gly Arg Phe Arg Lys Met Arg Phe Leu Tyr
 65 70 75 80

Asp Met Arg His His Lys Ser Ile Arg Glu Leu Lys Phe Ile Asn Lys
 85 90 95

Ala Tyr Gly Arg Ser Glu Ala Arg Tyr Arg Leu Phe Arg Leu Leu Pro
 100 105 110

Glu Pro Val Val Ser Cys Ala Met Cys Asn Leu Met Ser Ser Thr Glu
 115 120 125

Thr Gln Cys Leu Gly Leu Thr Ser Glu Phe Arg Tyr Asp Gln Trp Gly
 130 135 140

Gly Phe Gly Arg Glu Arg Arg Arg Val Phe Thr Ala Thr Val Leu Ala
 145 150 155 160

Arg Ser Trp Met Asp Lys Asn Lys Arg Val Arg Glu His Arg Leu Pro
 165 170 175

Gly Ala Ile Gln Leu Thr Phe Leu Tyr Phe Gly Ser Thr Val Gly Leu
 180 185 190

Glu Arg Val His Ala Gly Thr Arg Val Cys Ser Arg Pro Tyr Pro Val
 195 200 205

Leu Ala Gly His Ala Cys Cys Phe Gln Asp Glu Arg Thr Leu Phe Leu
 210 215 220

Pro Pro Pro Gly Val Val Asp Cys Ser Phe Ala Arg Glu Asp Leu Arg
 225 230 235 240

Gly Met His Lys Lys Cys Glu Lys Gly Leu Leu Ile Ala Leu Thr Asp
 245 250 255

Thr Gly Ile Ser Val Lys Asn Leu Glu Asn Arg Glu Met Lys Val Leu
 260 265 270

Thr Asn Asn Glu Glu Glu Tyr Lys Asp Leu Pro Ser Arg Gln Pro Val
 275 280 285

Gln Val Phe Asp Met Val Asp Tyr Leu Arg Ala Leu Ala Arg Ser Pro
 290 295 300

Lys Pro Gly Asp Asp Pro Pro Arg Asp Tyr Ala Gln Ile Ala Leu Cys
 305 310 315 320

Leu Ser Val Gln Ser Pro Asn Pro Ala His Ala Pro Ile Ala Ile Arg
 325 330 335

Leu Arg Tyr Val Cys Glu Thr Ser Ser Val Cys Gly Thr Glu Gly Cys
 340 345 350

Phe Tyr Pro Gly Thr Ile Gly Thr Ser Glu Ala Arg Val Ala Gly Ser
 355 360 365

Phe His Met Glu Asp Pro Gly Glu Gly Thr Ser Gln Ser Leu Asp Pro
 370 375 380

Ala Val Glu Leu Gly Asp Ser Gly Pro Asp Ser Met Asp Asn Pro Asp
 385 390 395 400

Thr Gly Thr Ser Gly Glu Asp Asp Gly Val Ala Cys Ser
 405 410

<210> 103
 <211> 91
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 103

Met Gly Gly Ile Arg Arg Leu Asn Arg Gln Thr Gln Gly Asp Leu Cys
 1 5 10 15

Ile Ile Ser Arg Trp Val Val Ser Arg Leu Arg Gly Pro Cys Lys Ser
 20 25 30

Ser Lys Ile Ile His His Ile Lys His Leu Asn Gly Leu Pro Gly Arg
 35 40 45

Gln Val Leu Ile Leu Leu Leu Ile Val Ser Lys His Phe His Phe Pro
 50 55 60

Val Leu Gln Val Leu Tyr Gly Asn Ala Ser Ile Arg Lys Gly Asn Gln
 65 70 75 80

Gln Thr Leu Leu Ala Leu Phe Val His Ala Pro
 85 90

<210> 104

<211> 351
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 104

Met Glu Arg Pro Val Arg Val Thr Lys Pro Ser Ser Leu Arg Gly Trp
 1 5 10 15

Leu Val Glu Cys Cys Glu Thr Gly Arg His Pro Gly Met Arg Trp Ile
 20 25 30

Asp Asp Glu Arg Thr Leu Ile Arg Ile Pro Trp Asn His Asp Arg Gly
 35 40 45

Ser Arg Gly Val Glu Glu Ser Glu Lys Asn Ile Phe Ile Asp Tyr Cys
 50 55 60

Arg Ser Arg Gly Ile Leu His Ala Ala Gly Arg Glu Leu Thr Ala Lys
 65 70 75 80

Glu Cys Lys Asn Trp Leu Ser Ser Ala Ile Arg His Ser Gln Thr Val
 85 90 95

Ser Asp Val Ser Thr Asn Asp Asp Leu Ser Thr Pro Tyr Pro Asn Arg
 100 105 110

Cys Arg Thr Ile Arg Leu Leu Pro Ile Thr Val Arg Ser Cys Ala Arg
 115 120 125

Cys Asp Gln Ala Ser Gly Thr Thr Ala Met Leu Arg Gly Leu Arg Glu
 130 135 140

Glu Ala Val Asn Lys Phe Gly Pro Val Gly Ala Gly Val Gln Tyr Thr
 145 150 155 160

Gly Ala Val Gly Ala Gly Gly Glu Gln Cys Trp Met Leu Arg Ile Thr
 165 170 175

Phe Tyr Tyr Tyr Gly Asp Arg Phe Gly Glu Val Val Thr Glu Ser Pro
 180 185 190

Asn Gly Ile Arg Val Leu Pro Leu Ser Glu Arg Arg Ala Gln Gly His
 195 200 205

Ile Cys Val Ala Pro Ile Ala Glu Gln Ala Leu Val Pro Glu Ile Pro
 210 215 220

Ser His Leu Val Glu Phe Gln Ala Glu Ala Leu Arg Phe Leu Asp Lys
 225 230 235 240

Asp Leu Leu Arg Gly Leu Ala Phe Trp Ala Asp Pro Ser Gly Ile Tyr
 245 250 255

Ile Arg Trp Leu Gly His Ser Met Ala Phe Val Gln Gly Asn Val Glu
 260 265 270

Ser Pro Gly Ala Ile Val Val Leu Ser Cys Ala Asn Ala Cys Arg Ala
 275 280 285

Phe Asn Leu Val Asp Tyr Met Lys Gly Met Ala Arg Thr Pro Arg Asp
 290 295 300

Gly Thr Ala Pro Pro Gln Ala Cys Val Tyr Leu Tyr Phe Gly Gly Val
 305 310 315 320

Pro Thr Pro Glu Gly Gly Val Gln Ser Thr Val Pro Leu Ile Ile Gln
 325 330 335

Leu Trp His Glu Cys Leu Trp Gln Ala Leu Ser Ala Ala Asn Val
 340 345 350

<210> 105
 <211> 361
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 105

Met Ala Ile Arg Asp Ser Asn Tyr Ser His Leu Arg Ser Trp Thr Leu
 1 5 10 15

Tyr His Leu Asn Glu Lys Thr Tyr Ser Asp Leu Thr Trp Cys Asp Gln
 20 25 30

Glu Lys Lys Thr Phe Lys Leu Ser Trp Lys Lys Gly Ala Ala Gly Thr
 35 40 45

Pro Ala Val Val Ala Tyr Cys Ala Gln Arg Gly Leu Gln Val Gly Ile
 50 55 60

Asp Gly Asn Val Phe Glu Cys Lys Arg Arg Phe Leu Arg Gly Leu Arg
 65 70 75 80

Glu Asn Ala Gly Phe Gln Glu Cys Glu His Gly Val Val Arg Thr His
85 90 95

Gly Gly Gly Trp Thr Ala Phe Arg Val Lys Pro Leu Met Asp Ser Gly
100 105 110

Cys Phe Ala Cys Ile Leu Asp Glu Asn Ser Glu Gly Ile Ile Asn Tyr
115 120 125

Leu Glu Gln Val Cys Gly Ile Gly Leu Glu Pro Gly Met Pro Leu Pro
130 135 140

Ala Pro Leu Pro Thr Leu Val Pro Pro Thr Arg Ser Ala Tyr Ala Arg
145 150 155 160

Ala His Arg Leu Gly Val Pro Glu Ala Pro Leu Pro His Gln Ile Val
165 170 175

Pro Phe Trp Arg Leu Arg Ile Gln Val Phe Tyr Phe Gly Val Leu Ala
180 185 190

Leu Asp His Thr Ser Gln Asp Arg Arg Gly Val Arg Leu His Pro Arg
195 200 205

Pro Val Pro Arg Pro Gly His Leu Cys Phe Tyr Gly Thr Gly Phe Thr
210 215 220

Val Trp Phe Pro Ser Pro Asp Pro Gly Lys Leu Thr Pro Asp Gln Ile
225 230 235 240

Thr Gln Ile Asn Thr Met Leu Val Thr Tyr Asn Glu Gly Ile Tyr Val
245 250 255

His Gly Asn Glu Thr Gly Val Tyr Val Asp Asn Arg Asn Arg Glu Thr
260 265 270

Leu Tyr Ala Ala Gly Asn Asp Cys Asn Gly Asp Ile Ile Gln Arg Glu
275 280 285

Val Met Phe Leu Ser Lys Gln Gln Ile Phe Tyr Phe Met Gly Phe Met
290 295 300

Arg Lys Leu Ala Arg Ser Pro Val Pro Glu Ser His Ala Pro Cys Asn
305 310 315 320

Gly Ala Thr Leu Tyr Leu Ser Gln Gln Pro Gly Ala Gln Glu Ser Pro
 325 330 335

Gln Val Pro Ile Ser Val Val Val Cys Gln Asp Glu Leu Val Gln Gly
 340 345 350

Gln Met Asn Pro Ser Arg Trp Cys Ala
 355 360

<210> 106
 <211> 135
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 106

Met Ala Leu Trp Tyr Arg Gly Ala Gly Lys Leu Ser His Glu Thr His
 1 5 10 15

Glu Ile Lys Asn Leu Leu Phe Arg Glu Glu His Asp Leu Ser Leu Asn
 20 25 30

Asn Ile Thr Ile Thr Val Val Thr Arg Ser Val Lys Arg Phe Pro Val
 35 40 45

Pro Ile Ile Asp Val His Ser Gly Phe Ile Ala Val Tyr Val Asp Ala
 50 55 60

Leu Val Ile Arg Asp Gln His Cys Val Tyr Leu Arg Tyr Leu Ile Trp
 65 70 75 80

Ser Gln Phe Ser Arg Ile Trp Arg Trp Lys Pro Asn Gly Lys Pro Gly
 85 90 95

Ala Val Lys Thr Gln Met Thr Gly Thr Trp Asn Arg Ala Arg Met Gln
 100 105 110

Thr Asn Thr Ser Ser Ile Leu Gly Arg Met Ile Gln Cys Gln Asn Ala
 115 120 125

Lys Ile Lys His Leu Asn Ser
 130 135

<210> 107
 <211> 385
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 107

Met Ala Ala Gly Glu Ser Arg Arg Gly Pro Ser Arg Tyr Gly Met Ala
1 5 10 15

Leu Arg Glu Trp Leu Ile Ser Lys Ala Asp Ser Gly Phe Tyr Pro Gly
20 25 30

Leu Phe Trp Ala Asp Glu His Lys Thr Arg Leu Val Leu Ala Ala Thr
35 40 45

Ser Pro Ser Leu Pro Asn Tyr Asp Tyr Gln Arg Asp Gly Gln His Tyr
50 55 60

Asp Ala Tyr Cys Asp Leu Arg His Ile Pro Leu Pro Ser Gly Arg Gly
65 70 75 80

Arg Leu Cys Gln Ala Lys Gly Arg Leu Leu Gly Ala Ile Arg Lys Ser
85 90 95

Lys Tyr Phe Asp Glu Asp Lys Asp Phe Pro Thr Asp Gln Phe Pro Phe
100 105 110

Thr Ala Val Val Phe Arg Leu Arg Ser Phe Glu Glu Met Ser Cys Pro
115 120 125

Val Cys Pro Arg Val Asp Ala Leu Arg Leu Glu Leu Arg Asn Met Arg
130 135 140

Phe Ala Met Leu Gly Arg Gly Met Leu His Ala Phe Pro Glu Ser Ser
145 150 155 160

Val Gly Asp His Glu Ala Arg His Leu Glu Gly Gln Glu Gly Gly Asp
165 170 175

Asp Ala Arg Asp Asp Asp Ala Pro Tyr Ser Ser Gly Val Leu Arg Ala
180 185 190

Arg Leu Met Ala Cys Ala Ala Pro Ser Ala Gly Asp Pro Trp Gly His
195 200 205

Met His Ile Lys Ile Tyr Tyr Tyr Gly Gln Leu Gln Ala Glu Leu Ser
210 215 220

Thr Ala Thr Gly Gln Gly Ile Arg Leu Ser Ser Arg Pro Thr Asn Lys

225 230 235 240
 Ser Gly His His Val Cys Val Leu Asp Gly Pro Leu Gln Ala Trp Phe
 245 250 255
 Pro Pro Ile Pro Gln Ile Thr Asp Thr Ser Met Gly Gln Arg Leu Glu
 260 265 270
 Asp Ala Leu Lys Trp Leu Val Asp Gly Ile Ile Phe Cys Ser Thr Ser
 275 280 285
 Arg Gly Ile Val Phe Thr Ile Thr Gly Ala Pro Asn Val Trp Phe Gln
 290 295 300
 Gly Asn Thr Val Glu Pro Arg Asn Phe Pro His Arg Ala Tyr Thr Gly
 305 310 315 320
 Met His Val Trp Ala Phe Asp Thr Asp Arg Tyr Leu Leu Asp Ile Ala
 325 330 335
 Arg Ser Pro Ser Pro His Asp Thr Asp Pro Pro Ala Ala Phe Val Lys
 340 345 350
 Leu Trp Val Ser Gly Cys Ser Leu Gly Glu Glu Arg Asn Val Ser Arg
 355 360 365
 Ala Pro Leu Ser Met Thr Val His Gln Thr Glu Ile Tyr Arg His Phe
 370 375 380
 Glu
 385

 <210> 108
 <211> 81
 <212> PRT
 <213> Japanese Macaque Herpesvirus

 <400> 108

 Met Thr Gln Leu Arg Pro Tyr Cys Asp Lys His Arg Glu Ser Gly Thr
 1 5 10 15

 Arg Val Leu Leu Trp Pro Phe Cys Gln Met Asn Pro Thr Gly Asn Ile
 20 25 30

 Tyr Phe Leu Gln Tyr Gly Ala Lys Val Glu Thr Glu Val Leu Pro Val
 35 40 45

Val Pro Glu Ala Pro Pro Arg Thr Pro Asp Gly Pro Ser Ser Pro Leu
 50 55 60

Leu Leu Pro Val Ala Leu Ser Pro Val Ser Thr Asp Thr Ser Ser His
 65 70 75 80

Thr

<210> 109
 <211> 390
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 109

Met Ala Glu Gln Asn Met Asp Leu Lys Ala Trp Phe Ile Asp Ala Val
 1 5 10 15

Glu Ser Arg Arg Tyr Pro Gly Val Val Trp Asp Asp Asp Asp Arg Thr
 20 25 30

Ile Ile Arg Ile Pro Trp Asn Arg Ser Thr Asp Ser Arg Ile Asp Glu
 35 40 45

Glu Tyr Asn Lys Ile Phe Asp Asp Phe Cys Leu Ala Arg Gly Val Cys
 50 55 60

Gln Ser Gly Ser Thr Ala His Ala Asn Lys Phe Lys Lys Ile Arg Met
 65 70 75 80

Leu Tyr Ala Val Arg Ser His Arg Tyr Leu Arg Glu Leu Thr Pro Pro
 85 90 95

Ser Lys Ala Gly Gly Val Ser Gly Glu Arg Tyr Arg Leu Phe Gln Leu
 100 105 110

Leu Pro Glu Val Thr Asn Gly Cys Asp Leu Cys Asn Leu Ile Ala Thr
 115 120 125

Thr Ser Leu His Ser Cys Ser Met Gly Ser Gly Val Arg Asp Asp Phe
 130 135 140

Phe Glu Gln Ala Arg Arg Pro Arg Ala Arg Leu Pro Leu Arg Val Ser
 145 150 155 160

Ile Gln Arg Arg Lys Ala Arg Leu Gln Gly Ser Pro Ala Gln Ala Ala
 165 170 175

Pro Gly Ala Ile Glu Val Ser Phe Phe Tyr Phe Gly Glu Asn Val Gly
 180 185 190

Val Glu Ile Leu Arg Ser Gly Cys Gly Val Arg Ile Cys Gly Leu Pro
 195 200 205

Asp Pro Lys Arg Pro Gly His Leu Cys Cys Ala Asp Asn Pro Leu Thr
 210 215 220

Arg Phe Leu Pro Ser Ala Gln Leu Val Pro Cys Glu Phe Ala Arg Ala
 225 230 235 240

Asp Leu Gln Ala Leu Gln Lys Thr Cys Glu Arg Gly Leu Ile Cys Val
 245 250 255

Met Val Glu Ser Gly Ile Cys Val Lys Asn Leu Glu Glu Arg Asn Met
 260 265 270

Thr Ala Leu Thr Asn Tyr Ser Glu Asn Tyr Tyr Glu Leu Gln Pro Thr
 275 280 285

Gln Gln Phe Gln Val Phe Asp Leu Leu His Tyr Leu Arg Ala Leu Ala
 290 295 300

Arg Ser Pro Thr Pro Gly Asp Leu Pro Pro Arg Asp Cys Ala Trp Ile
 305 310 315 320

Phe Leu Cys Pro Ser Thr Gln Ser Glu Asn Thr Trp Asp Ala Pro Ile
 325 330 335

Ala Leu Lys Leu Arg Tyr Val Cys Asp Asp Val Ser Val Glu Thr Gly
 340 345 350

Asp Ser Ala Thr Gly Ser Asn Ser Gly Asp Glu Gly Pro Ser Gly Val
 355 360 365

Arg Gly Gly Ala Ser Gly Thr Thr Gly Ser Thr Ser Val Ser Thr Phe
 370 375 380

Ala Pro Tyr Trp Arg Lys
 385 390

<210> 110
 <211> 86
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 110

Met Leu Arg Ser Ser Arg Phe Phe Thr Gln Ile Pro Asp Ser Thr Ile
 1 5 10 15

Thr Gln Ile Arg Pro Leu Ser His Val Phe Cys Arg Ala Cys Lys Ser
 20 25 30

Ala Leu Ala Asn Ser His Gly Thr Asn Cys Ala Asp Gly Arg Lys Arg
 35 40 45

Val Asn Gly Leu Ser Ala Gln His Arg Cys Pro Gly Arg Leu Gly Ser
 50 55 60

Gly Arg Pro His Ile Arg Thr Pro Gln Pro Glu Arg Lys Ile Ser Thr
 65 70 75 80

Pro Thr Phe Ser Pro Lys
 85

<210> 111
 <211> 91
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 111

Met Arg Leu Ser Val Asp Leu Phe His Gly Ile Arg Ile Met Val Leu
 1 5 10 15

Ser Ser Ser Ser His Thr Thr Pro Gly Tyr Arg Arg Asp Ser Thr Ala
 20 25 30

Ser Met Asn Gln Ala Phe Lys Ser Met Phe Cys Ser Ala Ile Ser Arg
 35 40 45

Val His His Leu Tyr Arg Ala Gly Gln Leu Lys Tyr Arg Ala His Arg
 50 55 60

Thr Thr Ser Leu Arg Asp Gln Lys Asn Leu Asp Leu Lys Glu Ala Tyr
 65 70 75 80

Leu Tyr Thr Pro Thr Gly Gln Leu Ser Asn Lys

<210> 112
 <211> 355
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 112

Met Ala Glu Gly Arg Ala Gly Ser Ile Arg Val Asn Arg Pro Ser Gly
 1 5 10 15

Leu Arg Ala Trp Leu Leu Asp Cys Cys Asp Asn Gly Lys His Pro Gly
 20 25 30

Met His Trp Leu Asn Glu Glu Lys Thr Leu Val Arg Leu Pro Trp Asn
 35 40 45

His Leu Lys Gly Ala Gly Gly Val Ser Glu Asn Glu Lys Asn Ile Phe
 50 55 60

Leu Asp Tyr Cys Gln Phe Lys Gly Ile Arg His Thr Gly Asn Arg Pro
 65 70 75 80

Leu Ser Leu Arg Glu Cys Lys Asn Trp Leu Ala Ser Ala Ile Arg His
 85 90 95

Ser Gln Thr Val Glu Asp Val Ser Thr Glu Glu Asn Leu Ser Ala Pro
 100 105 110

Ala Pro Tyr Arg Cys Arg Val Ile Arg Leu Leu Pro Ile Phe Val Arg
 115 120 125

Ser Cys Pro Leu Cys Asn Glu Ala Asp Ala Thr Gly Gly Met Leu Leu
 130 135 140

Asp Leu Arg Asn Glu Val Thr Ala Arg Phe Leu Tyr Leu Gly Ala Gly
 145 150 155 160

Arg Glu Tyr Glu Gly Ala Val Gly Ser Asp Gly Val Arg Cys Trp Met
 165 170 175

Ile Arg Leu Val Ile Tyr Tyr Tyr Gly Arg Leu Val Gly Asn Met Glu
 180 185 190

Val Gly Ser Pro Asn Gly Val Arg Leu Leu Pro Ala Pro Lys Gln Pro
 195 200 205

Leu Gln Gly His Val Cys Ala Gly Ile Lys Pro Glu Gln Val Met Leu
 210 215 220

Pro His Asn Pro His Asn Leu Leu Pro Tyr Gln Thr Ser Met Leu Arg
 225 230 235 240

Trp Leu Ala Lys Glu Ile Ile Arg Gly Leu Met Ile Tyr Ala Asp Gly
 245 250 255

Ser Gly Ile Tyr Val Arg Tyr Met Gly His Val Pro Ala Phe Leu Leu
 260 265 270

Gly Asn Gly Gly Ser Pro Glu Pro Val Asp Met Ile Asn Ser Gly Arg
 275 280 285

Val Ala Arg Val Phe Ser Leu Val Gln Tyr Leu Ser Ala Val Ser Ala
 290 295 300

Thr Pro Pro His Gly Thr Leu Phe Pro Ala Ala Tyr Ala Ser Leu His
 305 310 315 320

Ile Gly Gly Val Pro Thr Pro Glu Gly Glu Pro Cys Pro Thr Ile Pro
 325 330 335

Leu Ser Ile Gln Met Trp His Glu Cys Leu Trp Arg Ala Cys Gly Asp
 340 345 350

Ala Ala Met
 355

<210> 113
 <211> 364
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 113

Met Ala Glu Ser Glu Ile Thr His Asn His Leu Arg Arg Trp Ile Ile
 1 5 10 15

Ser Asn Leu Glu Ala Asn Thr Tyr Pro Asp His Leu Arg Trp Cys Asp
 20 25 30

Glu Glu Lys Arg Ser Phe Lys Leu Ser Trp His Arg Gly Met Gln Gly
 35 40 45

Met Gln Pro Val Val Ala Tyr Cys Leu Asp Arg Asp Leu Gln Cys Gly
 50 55 60

Arg Gln His Asn Val Ser Asp Cys Arg Lys Arg Leu Leu Arg Val Leu
 65 70 75 80

Arg Glu Asn Ala Gly Phe Glu Gln Asp Asp Thr Arg Ala Thr Thr Thr
 85 90 95

Asn Ser Gly Gly Glu Arg Phe Phe Tyr Leu Lys Pro Ala Val Asp Pro
 100 105 110

Leu Cys Tyr Ala Cys Ile Leu Asp Ser His Ser Glu Thr Val Ile Asn
 115 120 125

Tyr Leu Glu Ala Ala Cys Val His Gly Leu Glu Pro Trp Thr Pro Leu
 130 135 140

Pro Pro Gln Ala Pro Ala Glu Ala Ser Gly Ala Ala Arg Ser Val Tyr
 145 150 155 160

Ala Arg Ala Ala Arg Leu Ala Ile Ala Ala Pro Pro His Pro Glu Gln
 165 170 175

Ile Thr Pro Phe Trp Arg Leu Arg Ile Gln Val Phe Tyr Phe Gly Ser
 180 185 190

Leu Val Ala Glu His Thr Gly Val Asp Arg Arg Gly Val Arg Leu His
 195 200 205

Lys Arg Gln Asp Pro Lys Ala Gly His Ala Cys Tyr Tyr Gly Thr Ala
 210 215 220

Phe Lys Met Trp Leu Pro Thr Pro His Glu Asn Gly Pro Leu Thr Pro
 225 230 235 240

Glu Gln Arg Glu Thr Val Cys Glu Ile Ile Asn Tyr Cys Glu Glu Gly
 245 250 255

Ile Phe Leu His Gly Asn Glu Leu Gly Ile Tyr Val Asp Asn Arg Thr
 260 265 270

Arg His Thr Leu Ser Cys Ala Gly Asn Asp Ala Glu Gly Asn His Ala
 275 280 285

Gln Arg Phe Val Arg Ser Cys Ala Lys Phe Gln Ile Phe Tyr Val Met
290 295 300

Gly Leu Leu Arg Lys Leu Ala Leu Ser Pro Val Pro Gly Asp Pro Val
305 310 315 320

Pro Ile Asn Ala Val Thr Leu Tyr Leu Gly Gly Arg Pro Gly Ser Arg
325 330 335

Lys Arg Pro Gln Val Pro Val Ile Leu Val Ile Cys Gln Asp Glu Leu
340 345 350

Thr His Gly Asp Ile Arg Pro Ala Arg Trp Ile Leu
355 360

<210> 114
<211> 86
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 114

Met Ala Met Ser Trp Gly Tyr Met Trp Ile Thr Glu Gln Gly Thr Leu
1 5 10 15

Phe Pro Ala Pro Gly Thr Thr Gln Arg Glu Thr Thr His Ser Val Leu
20 25 30

Cys Asp Pro Val Pro Asn Phe Arg Phe Phe Met Leu Trp Val Tyr Cys
35 40 45

Ala Asn Ser Pro Phe Pro Pro Phe Pro Ala Thr Arg Phe Pro Ser Thr
50 55 60

Gln Ser Leu Phe Thr Leu Gly Val Ala Leu Ala Pro Val Lys Asp Pro
65 70 75 80

Arg Ser Leu Ser Phe Trp
85

<210> 115
<211> 102
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 115

Met Asp Leu Ser Leu Gly Arg Pro Tyr Arg Leu Lys Leu Arg Arg Arg

1	5	10	15
Leu Val Val	Arg Arg Gly	Pro Phe Met	Pro Glu Pro Pro Gly Trp Gln
	20	25	30
Leu Pro Arg	His His Thr	Arg Ser Arg	Ser Leu His Phe Gly Gly Tyr
	35	40	45
Val Tyr Lys	Phe Phe Ile	Leu Asp Arg	Trp Trp Arg Asn Thr Arg Ala
	50	55	60
Trp Ile Val	Glu Gly Tyr	Ala Cys Ile	Ser Ala Lys Thr Gln Lys Leu
	65	70	75 80
Ala Met Arg	Val Ile Met	Gly Gln Arg	Leu Arg Cys Gly Phe Gln Arg
	85	90	95
Arg Met Arg	Met Asp His		
	100		
<210> 116			
<211> 360			
<212> PRT			
<213> Japanese Macaque Herpesvirus			
<400> 116			
Met Gly Thr	Tyr Thr Ser	Glu Ala Ser	Leu Ala Trp Leu Ser Phe Met
1	5	10	15
Ser Gly Thr	Val Ala Ala	Ser Pro Phe	Ile Leu Cys Phe Ile Tyr His
	20	25	30
Ser Leu Tyr	Phe Leu Glu	Pro Leu Asn	Ser Val Glu Asn Ile Ile Phe
	35	40	45
Ser Trp Gly	Ala Val Gly	Leu His Gly	Leu Leu Leu Leu Val Cys Val
	50	55	60
Val Gly Pro	Pro Ala Trp	Leu Ser Arg	Gln Val Asp Val Pro Cys Thr
	65	70	75 80
Ile Ser Ala	Ile Leu Ile	Thr Ala Gly	Ser Met Ala Ser Thr Leu Gly
	85	90	95
Val Asp Leu	Pro Trp Val	Tyr Val Ser	Phe Phe Val Gly Ser Cys Leu
	100	105	110

Cys Leu Leu Leu Cys Val Val Val Ala Asn Asp Val Val Tyr Leu Cys
 115 120 125

Pro Thr Ile Ala His Arg Tyr Tyr Glu Leu Gly Phe Phe Ala Ala Phe
 130 135 140

Ser Val Tyr Tyr Phe Leu Val Leu Lys Asn Leu Phe Leu Ala Pro Val
 145 150 155 160

Phe Leu Leu Pro Leu Val Ala Phe Ile Val Gly Gly Val Cys Ser Leu
 165 170 175

Arg Ala Leu Arg Ser His Pro Leu Tyr Glu Ala Gly Leu Gln Arg Arg
 180 185 190

His Ala Ile Phe Ser Leu Thr Ser Arg Arg Tyr Ile Thr Tyr Ser Ile
 195 200 205

Lys Gln Ala Leu Glu Val Cys Gly Trp Asp Phe Tyr Leu Val Thr Val
 210 215 220

Leu Ile Gly Gly Ala Ala Ala Gly Thr Leu Ser Val Gly Leu Thr Thr
 225 230 235 240

Pro Leu Leu Leu Gly Leu Val His Tyr Phe Phe Val Phe His Val Gly
 245 250 255

Leu Phe Cys Cys Ile Gly Leu Val Phe Arg Ser Asn Val Leu Ala Leu
 260 265 270

Val Tyr Val Leu Ala Ala Ala Val Leu Leu Thr Leu Thr His Val Leu
 275 280 285

Gly Pro Gly Thr His Asn Leu Phe Thr Arg Val Cys Val Phe Thr Val
 290 295 300

Phe Leu Leu Thr Met Phe Gly Ala Ile Gly Cys Glu Leu Gln Ile Ile
 305 310 315 320

Arg Lys Lys Leu Gln Arg Ala Ala Asn Ser Pro Arg Ile Val Leu Gly
 325 330 335

Val Cys Ala Cys Gly Asn Leu Leu Met Ala Val Val Phe Phe Ser Leu
 340 345 350

Asn Lys Val Glu Leu Val Ala Leu
 355 360

<210> 117
 <211> 394
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 117

Met Pro Val Ser Phe His Tyr Gly Ala Arg Val Asp Val Asp Ala Leu
 1 5 10 15

Gly Asn Ile Ser Lys Val Tyr Asp His Ile Lys Gly Ile Val Lys Lys
 20 25 30

Gly Val Ile Gln Ile Ser Gly Gln Gly Arg Ala Pro Val Leu Ser Val
 35 40 45

Leu Ser Ser Val Gly Asp Ala Gly Val Leu Gly Leu Arg Leu Lys Asn
 50 55 60

Ala Leu Ala Pro Leu Met Val Tyr Ser Asp Met Thr Asp Glu Val Ser
 65 70 75 80

Phe Ser Phe Arg Asn Thr Ser Leu Gly Asn Thr Phe Thr His Thr Arg
 85 90 95

Glu Met Phe Gly Val Asn Ile Thr Glu Met Asn Val Ala Phe Tyr His
 100 105 110

His Gly Asp Glu Ser Asn Ala Glu Gly Lys Pro Gln Phe Val Arg Thr
 115 120 125

Thr Ile Ala Tyr Gly Asp Asn His Thr Ser Thr Val His Lys Ser Val
 130 135 140

Val Asp Glu Pro Asn Leu Pro Ser Phe His Asp Arg Leu Glu Gln Ala
 145 150 155 160

Gly Thr Gly Asn Arg Leu Phe Leu Thr Val Lys Thr Leu Thr Leu Leu
 165 170 175

Ser Lys Trp Leu Arg Gln Gln Lys Thr Arg Ala Lys Gln Val Val Thr
 180 185 190

Val Ser Leu Ser Glu Thr Leu Ala Val Ala Thr Phe Thr Val Asp Gly
 195 200 205

Val Ser Lys Ile Ile Asp Phe Lys Pro Asp Thr Pro Asp Ala Lys Trp
 210 215 220

Thr Cys Ala Lys Gly Arg Lys Leu Asp Val Gly Val Val Ser Ser Asp
 225 230 235 240

Leu Thr Thr His Val Ser Leu Glu Ser Leu Val Ala Ala Leu Asn Ala
 245 250 255

Cys Lys Ile Pro Gly Phe Phe Leu Pro Gly Phe Arg Trp His Ala Asn
 260 265 270

Glu Ile Leu Glu Val Glu Gly Leu Pro Leu Thr Asp Ser Leu Ala Asp
 275 280 285

Val Lys Leu Gly Val Met Leu Leu Lys Val Asp Pro Thr Asp Arg Asn
 290 295 300

Asn Ala Val Pro Gly Asn Leu Ser Glu Gly Ala Asp Pro Glu Gly Val
 305 310 315 320

Pro Glu Leu Pro Ser Pro Pro Arg Thr Pro Asp Leu Asp Leu Lys Glu
 325 330 335

Gln Cys Val Pro Asn Ala Glu Asp Gly Thr Glu Pro Thr Asp Gly Gly
 340 345 350

Ala Lys Ser Leu Arg Thr Ser Gly Ser Arg Pro Glu Lys Lys His Gly
 355 360 365

Lys Arg Lys His Ser Ser Ser Pro Ser Arg Gly Lys Ala Lys Thr Lys
 370 375 380

Thr Pro Arg Ala Thr Phe Asn Pro Leu Phe
 385 390

<210> 118

<211> 80

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 118

Met Leu Thr Pro Asn Ile Ser Arg Val Trp Val Asn Val Phe Pro Arg
 1 5 10 15
 Glu Val Phe Arg Lys Leu Lys Leu Thr Ser Ser Val Met Ser Glu Tyr
 20 25 30
 Thr Ile Ser Gly Ala Ser Ala Phe Leu Ser Arg Arg Pro Arg Thr Pro
 35 40 45
 Ala Ser Pro Thr Leu Glu Ser Thr Leu Arg Thr Gly Ala Leu Pro Trp
 50 55 60
 Pro Leu Ile Cys Ile Thr Pro Phe Leu Thr Met Pro Leu Met Trp Ser
 65 70 75 80
 <210> 119
 <211> 314
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 119
 Met Ser Gly Leu Ser Ile Val Thr Ala Ala Met Glu Ser Pro Asp Arg
 1 5 10 15
 Phe Leu Tyr Ala Ser Asp His Pro Gly Phe Leu Ala Leu Thr Gln Glu
 20 25 30
 Thr Trp Gln Asn Arg Trp Phe Pro Ser Gln Ile Ser Leu His Glu Asp
 35 40 45
 Ser Asp Glu Val Arg Leu Leu Ser Pro Thr Asp Arg Glu Phe Tyr Gln
 50 55 60
 Phe Leu Phe Thr Phe Leu Gly Met Ala Glu Ser Leu Val Asn Phe Asn
 65 70 75 80
 Ile Glu Asp Leu Val Lys Glu Phe Ser Asn His Asp Val Thr His Tyr
 85 90 95
 Tyr Ala Glu Gln Val Ala Met Glu Asn Ile His Gly Lys Val Tyr Ala
 100 105 110
 Asn Ile Leu Asn Leu Phe Phe Gly Gly Asn Arg Gly Asp Leu Met Thr
 115 120 125
 Tyr Ala Lys Lys Ile Val Glu Asp Ala Thr Leu Ala Lys Lys Ile Asp

130		135		140
Trp Leu His Ser Arg Val Arg Lys Ala Thr Thr Arg Ala Glu Lys Val				
145		150		155 160
Leu Leu Phe Leu Val Ile Glu Gly Ile Tyr Phe Ile Ser Ser Phe Tyr				
	165		170	175
Ser Ile Gly Leu Phe Arg Leu Arg Gly Val Met Arg Gly Val Cys Leu				
	180		185	190
Ala Asn Asp Tyr Ile Ser Arg Asp Glu Leu Leu His Thr Arg Ala Ala				
	195		200	205
Gly Leu Leu Tyr Asn Thr Met Ile Ser Arg Asp Glu Ser Pro Ser Val				
	210		215	220
Ala Tyr Ile His Gly Leu Phe Arg Glu Ala Val Glu Ile Glu Thr Leu				
	225		230	235 240
Phe Ile Arg Ser Lys Ser Arg Gly Val Thr Met Val Asn Val Gly Asp				
	245		250	255
Ile Glu Gln Phe Leu Gln Ala Thr Ala Asp Arg Ile Leu Lys Ser Ile				
	260		265	270
Asn Val Pro Pro Leu Phe Gly Ala Arg Pro Pro Asn Ala Cys Pro Leu				
	275		280	285
Ser Tyr Thr Ser Ala Lys Ser Val Asn Phe Phe Glu Arg Asp Asn Ser				
	290		295	300
Glu Tyr Val Thr Ser Val His Asn Asp Leu				
305		310		

<210> 120
 <211> 788
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 120

Met Asn Thr Glu Thr Ser Phe Ser Ala Ala Lys Ser Ala Lys Pro Leu
1 5 10 15

Thr Leu Val Thr Asn Ala Glu Thr Gly Gly Cys Ser Ser Ser Leu Asp
20 25 30

Pro Glu Arg Cys Ala Glu Ser Leu Val Asn Ser Leu Lys Ala Thr Leu
 35 40 45

Gly Trp Asp Val Glu Ala Asn Ser Leu Thr Gly Leu Leu Trp His Arg
 50 55 60

Ile Met Glu Asp Arg Cys Leu Val Thr Val Lys Asp Tyr Leu Thr Val
 65 70 75 80

Phe Gly Glu Lys Leu Ser Asp Glu Val Arg Glu Phe Met Leu Lys His
 85 90 95

Glu Ala Ala Leu Asp Gly Leu Leu Gln Asp Phe Lys Gln Ser Lys Ala
 100 105 110

Tyr Ala Asn Leu Val Asn Cys Gly Tyr Leu Ser Ala Val Arg Phe Tyr
 115 120 125

Asp Thr Tyr Val Leu Arg Thr His Gly Ser Ser Pro Ile Phe Glu Ser
 130 135 140

Val Ala Gln Met Phe Met Arg Val Ala Val Phe Val Ala Cys Gln Cys
 145 150 155 160

Ile Lys Phe Pro Cys Leu Arg Lys Thr Leu Arg His Leu Val Gln Ser
 165 170 175

Glu Thr Glu Leu Asp Glu Met Tyr Leu Val Gly Tyr Ala Phe His Tyr
 180 185 190

Ile Ser Ser Gln Ile Val Cys Cys Ala Thr Pro Val Leu Arg Ser Ala
 195 200 205

Gly Leu Arg Gly Gly Gln Leu Ser Ser Cys Phe Ile Leu Lys Pro Ser
 210 215 220

Met Ala Thr Glu Asn Lys Thr Leu Lys Ala Leu His Glu Glu Met Ser
 225 230 235 240

Pro Leu Leu Ala Ser Lys Ser Gly Val Gly Ile Asp Val Ser Ser Phe
 245 250 255

Ala Glu His Lys Asn Ile Thr Ser Cys Leu Lys Leu Ile Asn Ala His
 260 265 270

Val Gly Tyr Phe Asn Asp Asn Asn Ile Arg Pro Val Gly Ala Ser Ala
 275 280 285

Tyr Met Glu Leu Trp His His Gln Ile Cys Asp Phe Leu Asn Ala Lys
 290 295 300

Met Pro Glu Asn Gln Glu Arg Cys His Asn Leu Phe Gln Gly Val Cys
 305 310 315 320

Val Pro Glu Leu Phe Phe Arg Leu Tyr Glu Thr Asn Pro Asp Gly Gln
 325 330 335

Trp His Leu Phe Ala Pro Glu Val Ala Pro Asn Leu Leu Lys Leu Tyr
 340 345 350

Gly Ala Glu Phe Glu Ile Glu Tyr Asn Arg Leu Val Ala Ala Gly Lys
 355 360 365

His Ser Ser Ser Leu Pro Leu Lys Ser Met Met Tyr Ala Leu Ile Asn
 370 375 380

Thr Val Ile Lys Thr Gly Ser Pro Tyr Val Leu Leu Lys Glu Ala Leu
 385 390 395 400

Asn Lys His His Trp Cys Glu Thr Gln Gly Ser Ala Ile Asn Cys Ser
 405 410 415

Asn Leu Cys Ala Glu Ile Val Gln Gln Pro Glu Gly Gln Ala Ser Val
 420 425 430

Cys Asn Leu Ala Asn Ile Ser Leu Pro Lys Cys Leu Arg Pro Pro Arg
 435 440 445

Gly Lys Ser Gly Val Glu Pro Gly Lys Gly Asp Val Thr Phe Gly Phe
 450 455 460

Glu Leu Leu Asp Asp Ala Val Glu Ala Ala Val Ile Ile Val Asn Ala
 465 470 475 480

Cys Ile Leu Gly Gly Thr Ala Pro Thr Glu Ser Val Arg Arg Gly Gln
 485 490 495

Lys Glu Arg Ser Met Gly Ile Gly Val Gln Gly Leu Ala Asp Val Phe
 500 505 510

Ala Glu Leu Gly Phe Gly Tyr Leu Asp Ala Glu Ser Ala Lys Leu Asp
515 520 525

Val Glu Ile Phe Gln Ala Met Tyr Phe Ala Ala Val His Thr Ser His
530 535 540

Glu Ile Val Leu Leu Gly Glu Gly Thr Pro Phe His Gly Trp Glu Arg
545 550 555 560

Ser Arg Leu Ala Gln Gly Val Phe His Trp Gln Thr Trp Asp Gly Val
565 570 575

Lys Pro Ser His Pro Pro Leu Glu Arg Trp Glu Gln Leu Gly Arg Ser
580 585 590

Ile Ala Gln His Gly Ile Phe Asn Ser Gln Phe Leu Ala Leu Met Pro
595 600 605

Thr Ala Gly Thr Ser Gln Leu Thr Gly Tyr Thr Glu Ala Phe Tyr Pro
610 615 620

Phe Phe Ala Asn Ile Ala Ser Lys Val Thr Ser Lys Glu Glu Ile Leu
625 630 635 640

Lys Pro Asn Val Thr Phe Phe Lys Arg Val Lys Pro Gly Asp Leu Arg
645 650 655

Thr Val Arg Arg Tyr Gly Gly Asp Val Ala Ser Phe Pro Glu Pro Leu
660 665 670

Lys Asp Arg Tyr Lys Ile Phe Leu Thr Ala Phe Asp Tyr Cys Pro Ile
675 680 685

Lys Gln Leu Glu Arg Ala Gly Ala Arg Ala Pro Phe Val Asp Gln Ser
690 695 700

Gln Ser Leu Asn Phe Phe Leu Lys Glu Glu Gln Ala Thr Arg Ala Ser
705 710 715 720

Tyr Ile Arg Asp Leu Leu Leu Thr Gly Tyr Arg Leu Gly Leu Lys Thr
725 730 735

Met Leu Tyr Tyr Cys Arg Ile Gln Lys Gln Thr Lys Leu Asn Ala Leu
740 745 750

Gln Cys Leu Asp Gln Val Val Gly Asp Asn Thr Ser Ser Glu Gly Ala
755 760 765

Glu Ser Asn Arg Val Gln Lys Ala Asp Gly Glu Gln Ala Glu Val Cys
770 775 780

Leu Ala Cys Gln
785

<210> 121
<211> 138
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 121

Met Thr Pro Trp Arg Pro Gln Leu Leu Leu Ser Met Arg Ala Phe Trp
1 5 10 15

Ala Gly Arg Arg Leu Pro Arg Ala Leu Gly Ala Ala Arg Arg Asn Asp
20 25 30

Gln Trp Ala Leu Ala Ser Lys Asp Trp Pro Thr Cys Leu Pro Asn Ser
35 40 45

Ala Leu Ala Thr Leu Thr Pro Arg Ala Pro Ser Trp Thr Trp Arg Phe
50 55 60

Phe Arg Gln Cys Ile Leu Arg Arg Cys Thr Arg Val Thr Arg Leu Phe
65 70 75 80

Tyr Leu Ala Arg Gly Leu Arg Phe Met Asp Gly Ser Gly Val Asp Trp
85 90 95

Leu Arg Val Cys Phe Thr Gly Lys Arg Gly Thr Ala Leu Ser Arg Pro
100 105 110

Thr Arg Pro Trp Lys Asp Gly Ser Ser Trp Gly Ala Ala Ser Pro Ser
115 120 125

Met Glu Phe Ser Thr Ala Ser Phe Trp Arg
130 135

<210> 122
<211> 97
<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 122

Met Glu Arg Val Thr Asn Gln Val His Leu Val Gln Leu Arg Phe Thr
1 5 10 15

Leu His Gln Val Ser Glu Gly Leu Pro Gln Thr Arg Lys Phe Tyr Ala
20 25 30

Leu Thr Gly His Lys Asn Ser His Pro His Lys His Leu Gly Asn Ala
35 40 45

Leu Lys Asn Gly Arg Arg Ala Met Gly Ser Gln His Val Arg Ile Val
50 55 60

Lys Pro Asp Gly Arg Gln Val Ala Ala Val Asn Glu Ile Cys Val Cys
65 70 75 80

Leu Ala Leu Leu Lys Val Leu Gln Lys Thr Val Lys Gly Arg Phe Val
85 90 95

Phe

<210> 123

<211> 331

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 123

Met Lys Thr Arg Asp Ala Asn Val Asn Lys Leu Asn Asp Ser Leu Met
1 5 10 15

Arg Leu Leu Pro Pro Pro Pro His Arg Val Ser Leu Ser Arg Gly Arg
20 25 30

Asp Phe Ser Lys Gly Val Arg Asp Leu Leu Ser Lys Tyr Val Val Ser
35 40 45

Thr Thr Thr Gly Val Glu Ala Ile Lys Asp Gly Phe Leu Ser Val Ser
50 55 60

Pro Lys Cys Gln Thr Tyr Gly Asp Phe Leu Ile Tyr Ser Gln Thr Met
65 70 75 80

Ser Ser Gln Glu Pro Arg Gly Thr Tyr Leu Phe Ser Phe Lys Gln Thr

85

90

95

Asp Thr Gly Ser Ser Ile Asp Met Leu Phe Thr Pro Thr Ser Leu Ala
 100 105 110

Arg Leu Ser Arg Met Asp Ala Asp Ser Ala Pro Gln Thr Asn Arg Ile
 115 120 125

Ala Cys Val Trp Tyr Gly His Glu Ser Gly Leu Leu Asp Ala Ile Pro
 130 135 140

Asn Phe Glu Glu Leu Leu Glu Thr Gly Ser Leu His Gln Phe Leu Ala
 145 150 155 160

Pro Val Gly Pro Leu Val Gln Thr Val His Ser Thr Phe Val Thr Lys
 165 170 175

Val Thr Ser Ala Leu Lys Gly Asp Val Val Ala Arg Glu Pro Val Val
 180 185 190

Thr His Ile Gly Leu Thr Leu Pro Ser Asp Met Phe Val Asp Leu Asp
 195 200 205

Asp Ser Cys Pro Ser Ser Leu Arg Asp Glu Pro Leu Pro Ala His Ser
 210 215 220

Ser Ile Tyr Val Cys Leu Thr Tyr Ile Arg Ala Asn Asn Arg Pro Ala
 225 230 235 240

Leu Gly Leu Gly Phe Phe Lys Ser Gly Lys Gly Tyr Cys Glu Ile Ala
 245 250 255

Ala Gln Leu Arg Asp Phe Tyr Ser Gly Val Ile Arg Thr Lys Tyr Ile
 260 265 270

Gln Leu Gln Asn Asp Leu Tyr Ile Asn Arg Leu Ala Phe Gly Val Val
 275 280 285

Cys Arg Leu Gly Ser Val Pro Ser Gly Ser Gln Pro Ser Phe Gln Ser
 290 295 300

Leu His Phe Lys Gly Ala Ala Leu Pro Val Leu Lys Phe Thr Glu Phe
 305 310 315 320

Val Ser Asn Pro Gly Ser Trp Lys Leu Phe Leu

<210> 124
 <211> 939
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 124

Met Thr Ser Ser Ile Ser Ala Ala Arg Ala Asp Asn Gly Asp Glu Asn
 1 5 10 15

Thr Gly Gly Leu Tyr Arg Leu Ile Asp Asn Leu Leu Thr Cys Thr Gly
 20 25 30

Ser Leu Gln Gln Leu Lys Leu Leu Met Glu Phe Gln Leu Lys Pro Leu
 35 40 45

Pro Thr Ala His Leu Leu Ser Met Pro Thr Val Thr Arg Phe Leu Asn
 50 55 60

Thr Ala Phe Lys Ile Asp Asn Pro Leu Val Ser Phe Ile Gln Lys His
 65 70 75 80

Pro Val Phe Phe Leu Met Arg Val Ala Arg Leu Pro Asp Pro Val Ile
 85 90 95

Thr Asp His Gln Ser Ala Glu Thr Ser Thr Gly Ile Leu Ser Glu Val
 100 105 110

Val Asn Val Leu Asn Ile Ala Ile Gln Lys Pro His Glu Ser Pro Ala
 115 120 125

Ala Lys Asp Asp Asp Tyr Leu Asp Asn Arg Ala Ile Leu Thr Met Ile
 130 135 140

Thr Glu Tyr Ile His His Val Thr Ser Arg Thr Pro Ser Gly Ile Pro
 145 150 155 160

Pro Thr Pro Pro Met Gly Ile Ser His Leu Pro Cys Val Glu Gln Ile
 165 170 175

Leu His Glu Thr His Arg Gln Tyr Trp Asn Leu Ala Leu Pro Glu Ser
 180 185 190

Leu Phe Ile Asp Thr Gly Glu Val Ala Ser Pro Leu Gln Thr Trp Leu
 195 200 205

Ile Ile Ser Tyr Cys Lys Lys Leu Gln Leu Ala Pro Pro Pro Leu Phe
 210 215 220

Pro Pro Ala Asp Glu Leu Ala Arg Arg Leu Val Thr Gly His His Glu
 225 230 235 240

Leu Phe Val Pro Leu Ser Thr Ser Leu Glu Thr Tyr Ile Thr Met Pro
 245 250 255

Val Ser Lys Arg Arg Ala Phe Glu Ile Tyr Ser Val Phe Ala Lys Ser
 260 265 270

Lys Asn Ile Val Asp Gly Thr Pro Ile Leu Ala Phe Thr Asp Thr Glu
 275 280 285

Leu Thr Thr Phe Thr Pro Glu Leu Leu Phe Leu Tyr Asp Phe Val Ile
 290 295 300

Glu Ser Leu Cys Lys Asn Gln Ala Tyr Gly Cys Ser Arg Asn Ala Ile
 305 310 315 320

Glu His Phe Ile Lys Lys Gly Ile Asp Phe Met Ala Glu Leu Gly Ala
 325 330 335

Phe Ile Glu Lys Thr Cys Gly Tyr Arg Ser Thr Val Ser Leu Ser Asn
 340 345 350

Val Arg Ser Val Lys Ala Arg Leu Ala Ser Cys Gly Leu Ser Lys Glu
 355 360 365

Ala Cys Glu Asp Phe Arg Thr Met Ile Leu Met Thr Pro His Glu Thr
 370 375 380

Thr Pro Lys Trp Glu Asn Phe Thr Asp Phe Leu Glu Met Val Asn Gln
 385 390 395 400

Leu Thr Leu Tyr Gly Phe Tyr Phe Tyr Glu Cys Leu Asn Gln Tyr Ser
 405 410 415

Pro Thr Ser Ile Ser Leu Ala Lys Ile Gln Asn Ile Leu Asn Arg Val
 420 425 430

Asp Ala Glu Gln Ser Asp Arg Ala Leu Trp Arg Thr Pro Leu Ile Gly
 435 440 445

Ser Phe Pro Phe Pro Trp Lys Leu Asn Asn Val Leu Ala Phe Phe Lys
 450 455 460

Pro Ser Ala Pro Val Ala Thr Leu Gln Lys Ile Tyr Lys Ala Ile Pro
 465 470 475 480

Ser Tyr Leu Met Arg Ser Leu Phe Glu Ile Ala Ala Asn Lys Ser Trp
 485 490 495

Gly Asn Ile Ala Leu Ala Glu Arg Ala Pro Leu Thr Asp Ile Gln Thr
 500 505 510

Ala Glu Pro Asp Gln Gly Pro Val Pro Thr Gln Val Ile Ala Lys Tyr
 515 520 525

Cys Ser Arg Leu Gln Ile Ser Ala Thr Asp Tyr Asp Ala Val Ile Val
 530 535 540

Ser Ser Pro Gly Phe Ala Thr Glu Phe Ile Arg Thr Lys Leu Tyr Pro
 545 550 555 560

Ile Leu Ser Glu Val Leu Arg Asn Thr Ser Lys Lys Asn Arg Ser Leu
 565 570 575

Phe Gln Leu Arg Trp Leu Ile Val Phe Ala Ala Glu Asp Ala Lys Asp
 580 585 590

Leu Ala Pro Ile Arg Arg Ser Leu Ala Leu Ala Tyr Phe Gln Ile Met
 595 600 605

Asp Ile Leu Glu Glu Lys His Ser Pro Glu Ser Phe Tyr Asn Leu Leu
 610 615 620

Asp Tyr Leu Gln Asp Thr Phe Arg Cys Ile Arg Gln Val Ile Pro Glu
 625 630 635 640

Ala Thr Cys Pro Gln Glu Phe Leu Gln Tyr Leu Phe Thr Phe Gln Asn
 645 650 655

Leu Pro Ile Ala Ala Ser Phe Ile Gln Thr Ser Met Thr Phe Val Asp
 660 665 670

Asp Leu Asn Asn Gly Ile Pro Gly Ile Leu Asp Leu Val Ser Leu Gly
 675 680 685

Ala Ala Phe Tyr Asn Met Lys Leu Leu Tyr Asp Ser Thr Leu Asp Thr
 690 695 700

Val Glu Ile Pro Thr Glu Glu Gly Gln Pro Ile Val Val Ser Met Phe
 705 710 715 720

Val Phe Lys Ser Thr Ile Arg Ile Leu Glu Lys Leu Leu Gln Glu Ala
 725 730 735

Val Ile Ala Leu Ala Gln Thr Ser Glu Pro Met Tyr Ala Ala His Ile
 740 745 750

Arg Leu Met Gln His Leu Thr Tyr Met Gln Lys Ile Ala Gly His Glu
 755 760 765

Ile Met Thr Thr Gln Leu Pro Ser Val Phe His Glu Ile His Glu Gly
 770 775 780

Tyr Leu Gln Cys Phe Lys Arg Phe Lys Arg Leu Met Leu His Val Thr
 785 790 795 800

Gly Ser Cys Cys Tyr Ser Leu Thr Arg Tyr Phe Gly Phe Leu Tyr Gln
 805 810 815

Pro Pro Leu Ile Pro Asp Thr Ile Val Gln Lys Ile Leu Asn Phe Asn
 820 825 830

Asp Lys Thr Asp Thr Thr Asp Asp Ile Leu Lys Ser Leu Ser Gln Pro
 835 840 845

Val Gly Gln Glu Pro Leu Ser Ala Glu Asn Glu Ser Ser Ser Arg Leu
 850 855 860

Ser Lys Asn Asp Val Glu Leu Leu Gln Lys Leu Tyr Asp Asp Phe Arg
 865 870 875 880

Asn Gly Ser Thr Asn Asp Asn Pro Thr Ser Ile Lys Leu Glu Tyr Ser
 885 890 895

Gly Asn Tyr Asn Glu Thr Gln Val Ser Val Asp Trp Ser Thr Tyr Asn
 900 905 910

Leu Val Thr Tyr Thr Ala Pro Asp Asp Thr Leu Lys Phe Thr Pro Val
 915 920 925

Asn Thr Glu Ala Leu Asp Arg Met Leu Ala Glu
 930 935

<210> 125
 <211> 1966
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 125

Met Glu Leu Pro Pro Ile Phe Ser Lys Phe Lys Ile Glu Gly Val Ala
 1 5 10 15

Thr Thr His Gln Ala Asp Cys Arg Phe Gly Gln Tyr Ala Gly Ser Gln
 20 25 30

Cys Leu Ser Asn Cys Val Ile Tyr Leu Ala Gln Ser Tyr Phe Asn Arg
 35 40 45

Glu Ser Pro Val Thr Asp Thr Asn Asp Leu Asp Asp Val Leu Arg Gln
 50 55 60

Gly Ala Thr Leu Asp Phe Ile Leu Arg Arg Ser Gly Thr Leu Gly Tyr
 65 70 75 80

Asn Gln Tyr Ala Gln Leu His His Ile Pro Ser Phe Ile Lys Thr Asn
 85 90 95

Glu Trp Ser Ala Ala Ile Phe Gln Ser Gln Glu Tyr Phe Gly Leu Ile
 100 105 110

Gly Leu Asp Ala Ala Ile Arg Glu Pro Phe Ile Glu Ser Leu Lys Ser
 115 120 125

Ile Leu Thr Arg Asn Tyr Ala Gly Thr Val Gln Tyr Phe Leu Phe Ile
 130 135 140

Cys Gly Asp Lys Ala Gly Ala Val Ile Ile Lys Asn Lys Thr Phe Tyr
 145 150 155 160

Leu Phe Asp Pro His Cys Val Pro His Val Pro Asn Ser Pro Ala His
 165 170 175

Val Ile Ser Ser Ala Asp Pro Thr Ala Ile Leu Glu Tyr Val Ser Pro
 180 185 190

Pro Asp Arg Glu Tyr Thr Gly Ser Phe Leu Tyr Ile Met Pro Ser Glu
 195 200 205

Tyr Val Asn Pro Glu His Tyr Ile Thr Asn His Tyr Arg Thr Ile Thr
 210 215 220

Phe Ala Lys Val His Gly Pro Gln Ile Asp Ile Ser Thr Gly Ile Glu
 225 230 235 240

Pro Cys Thr Ile Glu Asp Ile Pro Ser Pro Pro Arg Ser Pro Asp Val
 245 250 255

Thr Ser Lys Ser Ser Asn Leu Ala Arg Val Pro Lys Thr Thr Thr Asp
 260 265 270

Thr Ser Ser Ala Lys Thr Thr Pro Ala Pro Leu Ser Gly Leu Leu Gly
 275 280 285

Val Glu Pro Pro Thr Ser Tyr Pro Asp Pro Ala Ala Asp Asp Ala Asp
 290 295 300

Thr Lys Leu Leu Thr Pro Ala Pro Ala Arg Thr Ala Val Asp His Pro
 305 310 315 320

Glu Phe Gln Thr Thr Pro Gly Ala Thr Leu Leu Leu Ser Glu Leu Ser
 325 330 335

Ala Ser Arg Gly Arg Lys Arg Lys Leu Ser Ser Leu Gln Arg Tyr Ser
 340 345 350

Asp Ser Asp Glu Ala Ser Ser Asp Asp Glu Gly Ala Pro Arg Arg Arg
 355 360 365

Ala His Asp Asp Ala Ile Ser Ala Glu Val Ile Trp Met Asp Asp Asp
 370 375 380

Ile Ser Pro Leu Tyr Ser Pro Ser Ala Thr Pro Ser Phe Asp Asp Val
 385 390 395 400

Phe Asp Ser Pro Pro Met Ser Pro Glu Phe Thr Tyr Thr Asn Ala Thr
 405 410 415

Glu Asp Thr Asp Gly Ala Phe Leu Glu Gln Ile Val Arg Asp Ala Glu
 420 425 430

Thr Pro Phe Ser Ala Phe Asn Asp Leu Ile Ser Asp His Asp Phe Ser
 435 440 445

Ser Leu Asp Lys Lys Ile Glu Gln Leu Ile Lys Tyr Glu Ala Pro Ser
 450 455 460

Gln His Leu Pro Asn Ile Ser Asp Lys Arg Asn Gly Arg Ala Val Arg
 465 470 475 480

Glu Ala Ala Ala Leu Gln Ala Met Asp Lys Ile Met Ile Asn Ile Ile
 485 490 495

Leu Glu His Gly Leu Ile Thr Asp Ala Gln Ala Arg Gly Pro Ser Ala
 500 505 510

Cys Lys Asn Val Leu Gln Phe Phe Ile Leu Trp Gly Glu Lys Leu Asn
 515 520 525

Ile Pro Ile Ser Asp Ala Lys Gln Val Leu Glu Leu Asp Leu Gln Leu
 530 535 540

Ile Pro Leu His Thr Ala Leu Ser Glu Gly Lys Phe Lys Gln Gly Ala
 545 550 555 560

Phe Lys Lys His Leu Thr Thr Lys Ile Asn Arg Cys Leu Ala Ser Met
 565 570 575

Arg Ala Thr His Ala Asn Ala His Lys Lys Leu Ala Ser Ala Phe Asn
 580 585 590

Ile Glu Gly Ser Gln Ile Ser Ser Ser Glu Thr Lys Ile Ser Val Arg
 595 600 605

Ala Leu Lys Glu Gln Ile Ala Asn His Leu Ser Pro Gly Phe Leu Ala
 610 615 620

Val Tyr Ser Ala Asp Glu Leu Lys His Leu Arg Asp Lys Ile Arg Asp
 625 630 635 640

Leu Lys Thr Gly Ile Glu Gln Arg Asn Arg Glu Ile Gln Gln Glu Glu
 645 650 655

Leu Phe Phe Gly Ala Val Leu Thr Ala Leu Asp Thr Phe Gln Pro Pro
 660 665 670

Pro Lys Pro Ala Tyr Pro Met Glu Ile Phe Pro His Arg Lys Thr Asp
 675 680 685

Val Met Leu Asn His Leu Ala Ser Ile Thr Thr Arg Leu Thr Asp Asp
 690 695 700

Ala Thr Glu Ala Leu Asn Asn Tyr Leu Glu Thr Pro Pro Asp Gln Gly
 705 710 715 720

Thr His Ile Thr Asn Ile Pro Asn Phe Ser Ser Ile Val Ala Asn Ile
 725 730 735

Ile Ser Thr Ile Lys Ile Leu Thr Tyr Ala Glu Asn Asp Met Gln Leu
 740 745 750

Asn Val Thr Pro Met Ala Thr Tyr Arg Arg Gln Leu Leu Tyr Leu Gly
 755 760 765

Gly Glu Leu Ala Thr Ile Phe Asn Leu Glu Trp Pro Tyr Glu Thr Val
 770 775 780

Pro Pro Val Gln Glu Leu Pro Leu Val Ala Arg Ala Lys Ala Lys Met
 785 790 795 800

Glu Ser Val Thr Lys Met Glu Lys Asn Gln Gln Ala Leu Asp Gln Ile
 805 810 815

Leu Gly Asp Ala Glu Thr Leu Leu Asp Thr Ile Thr Ala Thr Ser Gly
 820 825 830

Asn Glu Asn Pro Val Arg Ala Met Ser Ile Pro Ile Leu Glu Thr Tyr
 835 840 845

Ile Thr Asn Ala Gly Ala Leu Ile Gly Thr Ser Arg Asn Pro Arg Phe
 850 855 860

Glu Lys Leu Lys Ala Ala Ile His Asp Leu Ala Ser Ser Glu Ser Phe
 865 870 875 880

Ile Ile Met Leu Leu Asn Asn Thr Arg Leu Asp Asn Ile Ser Asp Asn
 885 890 895

Leu Ala Lys Ile Asp Gly Ile Leu Thr Asn Asn Thr Arg Phe Leu Ser
 900 905 910

Thr Ala Thr Val Thr Lys Thr Leu Gln Thr Leu Gly Ser Ser Leu Ile
 915 920 925

Arg Glu Cys Val Glu Ala Leu Asp Lys Arg Ser Pro Ser Ser Leu Thr
 930 935 940

Asp Ala Arg Leu Leu Ala Val Gln Thr Ile Leu Gly His Ala Ser Val
 945 950 955 960

Pro Asp His Glu Thr Leu Thr Arg Ile Val Ser Gly Val Ala Ser Ala
 965 970 975

Gln Lys Glu Ser Ala Gly Asp Asp Pro Asp Arg Trp Thr Arg Val Thr
 980 985 990

Gly His Leu Asn Glu Leu Lys Leu Ala Ala Thr Gln Ser Asn Val Asp
 995 1000 1005

Lys Ala Thr Arg Arg Lys Leu Leu Met Ile Ile Thr Arg Asp Leu
 1010 1015 1020

Lys Glu Ala Glu Val Ser Gln Glu Thr Val Leu Glu Thr Arg Trp
 1025 1030 1035

Gln Glu Asn Val Leu Lys Phe Gln Pro Ser Thr Ser Lys Glu Ile
 1040 1045 1050

Glu Asp Phe Leu Gln Ser Ala Pro Ser Ala Lys Ala Arg Lys Phe
 1055 1060 1065

Ala Glu Lys His Leu Arg Thr Leu Ile Ala Gln Phe Asp Gly His
 1070 1075 1080

Glu Gln Arg Pro Ser Glu Ala Thr Ala Val Pro Met Asp Tyr Thr
 1085 1090 1095

Pro Thr Pro Ile Pro Thr Pro Gln Ala Val Ser Thr Ala Thr Ala
 1100 1105 1110

Glu Lys Gly Lys Ala Ala Trp Asn Lys Ile Gln Gln Ala Phe Gln
 1115 1120 1125

Asp Phe Asn Phe His Leu Ile Asp Ala Ser Asp Trp Gln Glu Met
 1130 1135 1140

242

Ala Ile Thr Gln Leu Leu Pro Arg Ala Pro Val Ala Ile Ser Ser	1370	1375	1380
Arg Pro Leu Asn Leu Ser Lys Pro Ile Asp Phe Leu Ser Ser Thr	1385	1390	1395
Val Tyr Asp Lys Ile Leu Asp Lys Glu Pro Tyr Glu Thr Ala Ile	1400	1405	1410
Ala Gly Phe Ala Trp Leu Glu Thr Ala Thr Lys Ser Val Met Val	1415	1420	1425
Tyr Ser His Gln Asn Gln Thr Gln Gln Leu Asn Val Leu Leu Ser	1430	1435	1440
Glu Val Glu Lys Gln Ser Thr Ile Ala Gln Arg Leu His Asp Leu	1445	1450	1455
Glu Val Ser Ala Arg Asn Thr Asp Asp Val Lys Val Leu Lys Gln	1460	1465	1470
Ala Leu Asp Glu Leu Ala Pro Leu Arg Val Lys Gly Gly Lys Thr	1475	1480	1485
Thr Val Asp Ala Trp Lys Gln Lys Leu Glu Ser Ile Glu Ser Leu	1490	1495	1500
Leu Arg Ala Thr Arg Thr Ala Gly Glu Ile Ser Ser Glu Leu Glu	1505	1510	1515
Arg Ile Gly Ala Gln Ala Val Gly Thr Ile Ala Val Arg Asp Leu	1520	1525	1530
Gly Thr Leu Ser Asp Gln Cys Arg Glu Ala Ala Asn Phe Leu Lys	1535	1540	1545
Gln Ala Ser Leu Pro Glu Gly Phe Ser Asp Ile Gly Thr Lys Leu	1550	1555	1560
Ser Glu Leu Gln Ala Tyr Ile Lys Tyr Lys Lys Gln Phe Leu Glu	1565	1570	1575
His Phe Glu Thr Thr Gln Pro Asn Val Phe Arg Arg Phe Pro Leu	1580	1585	1590

Ser	Gln	Asn	Ile	Thr	Glu	Asn	Val	Pro	Ala	Arg	Leu	Ala	Met	Asp
1595						1600					1605			
Ser	Met	Ala	Arg	Leu	Ala	Asn	His	Leu	His	Val	Arg	Gly	Ser	Ala
1610						1615					1620			
Pro	His	Phe	Thr	Thr	Trp	Ile	Glu	Thr	Leu	Pro	Thr	Val	Asp	Pro
1625						1630					1635			
Glu	Lys	Pro	Thr	His	Val	Pro	Ala	His	Gly	Gly	Ala	Pro	Leu	His
1640						1645					1650			
Arg	Gln	Ile	Thr	Tyr	Ser	Asn	Val	Leu	Glu	Ala	Leu	Phe	Ser	Leu
1655						1660					1665			
Cys	Ser	Thr	Thr	Leu	Thr	Pro	Val	Pro	Thr	Ala	Pro	Gly	Leu	Glu
1670						1675					1680			
Ile	Ala	Thr	Arg	Ala	Arg	Arg	Gly	Ala	Glu	Ala	Ala	Thr	Trp	Met
1685						1690					1695			
Asp	Arg	Gln	Trp	Pro	Asp	Ile	Ala	Gln	Thr	Leu	Gln	Asp	Val	Leu
1700						1705					1710			
Asp	Thr	Tyr	Glu	His	Thr	Thr	Thr	His	Ala	Asn	Arg	Asp	Ala	Thr
1715						1720					1725			
Ser	Asn	Ala	Phe	Leu	Ala	Met	Cys	Val	Phe	Thr	Gln	Ile	Ile	Arg
1730						1735					1740			
Gly	Ala	Ser	Arg	Ala	Val	Thr	Leu	Pro	Lys	Leu	Pro	Gly	Thr	Ala
1745						1750					1755			
Val	Asp	Phe	Pro	Glu	Glu	Ile	Val	Leu	Thr	Pro	Arg	Glu	Cys	Thr
1760						1765					1770			
Thr	Leu	Val	Thr	Ala	Met	Trp	Pro	Thr	Leu	Ala	Ala	Ala	Ile	Leu
1775						1780					1785			
Arg	Leu	Lys	Ser	Tyr	Ser	Glu	Ala	Leu	Gly	Leu	Met	Ser	Arg	Phe
1790						1795					1800			
Leu	Pro	Leu	Met	Phe	Gln	Ala	Leu	Pro	His	Leu	Thr	Leu	Glu	Ala
1805						1810					1815			

Gln Val Gln Asn Gly Pro His Asn Thr Pro Pro Gln Val Arg Cys
 1820 1825 1830

Phe Ala Arg Thr Glu Ala Ile Pro Tyr Phe Pro Ala Gln Trp Gln
 1835 1840 1845

Ser Ala Asn Leu Glu Gln Ser Leu Trp Gly Gln Thr Asp Phe Leu
 1850 1855 1860

Gln Ile Cys Asp Asn Asn Gln Arg Lys Ala Arg Val Ala Ala Val
 1865 1870 1875

Thr Trp Ala Leu Thr Thr Ile Asn Gly Val Val Leu Asp Gln Leu
 1880 1885 1890

Trp Ser Thr Phe Lys Pro Met Thr Ala Ala Ser Asp Asp Thr Tyr
 1895 1900 1905

Val Asp Leu Val Lys Thr Leu His Leu Thr Thr Phe Gly Pro Arg
 1910 1915 1920

Gly Pro Thr Pro Arg Arg Glu Thr Thr Thr Glu His Pro Pro Tyr
 1925 1930 1935

Glu Tyr Gly Gln Pro Thr Gly Tyr Cys Ile Ser Gly Gln Ser Thr
 1940 1945 1950

Thr Pro Val Gln Ala Ser Asn Thr Pro Gly Val Arg Phe
 1955 1960 1965 ,

<210> 126

<211> 121

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 126

Met Glu Ser Pro Thr Val Asn Ile Glu Glu Ile Tyr Arg Arg Pro Ser
 1 5 10 15

Arg Ser Pro Arg Arg Ile Ser His Arg Arg Val Arg Ala Tyr Val Gly
 20 25 30

Pro Leu Arg Arg Gln Thr Thr Leu Arg Arg Asn Pro Asn Ile Ala Glu
 35 40 45

Gly Trp Thr Ala Cys Val Ser Asp Pro Trp Met Pro Thr Val Leu Lys
 50 55 60

Glu Val Ala Trp Leu Pro Val Leu Phe Gly Ile Arg Gly Gly Arg Arg
 65 70 75 80

Arg Phe Ala Leu Glu Arg Glu Leu Arg Val Leu Cys Pro Arg Arg Arg
 85 90 95

Leu Pro Gly Leu Gly Ser Leu Ser Val Val Arg Arg Pro Val Asp Arg
 100 105 110

Ile Ala Val Pro Val Trp Phe Trp Arg
 115 120

<210> 127
 <211> 147
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 127

Met Ile Leu Ile Ile Ile Leu Ser Ile Ala Trp Arg Ala Ala Ala Ser
 1 5 10 15

Arg Thr Ala Arg Pro Phe Arg Leu Ser Glu Met Phe Gly Arg Cys Cys
 20 25 30

Glu Gly Ala Ser Tyr Leu Ile Asn Cys Ser Ile Phe Leu Ser Arg Glu
 35 40 45

Glu Lys Ser Trp Ser Asp Ile Arg Ser Leu Asn Ala Glu Asn Gly Val
 50 55 60

Ser Ala Ser Arg Thr Ile Cys Ser Arg Asn Ala Pro Ser Val Ser Ser
 65 70 75 80

Val Ala Phe Val Tyr Val Asn Ser Gly Leu Ile Gly Gly Leu Ser Asn
 85 90 95

Thr Ser Ser Asn Asp Gly Val Ala Asp Gly Glu Tyr Arg Gly Asp Ile
 100 105 110

Ser Ser Ser Ile Gln Ile Thr Ser Ala Asp Ile Ala Ser Ser Cys Ala
 115 120 125

Arg Leu Arg Gly Ala Pro Ser Ser Ser Asp Asp Ala Ser Ser Glu Ser

130

135

140

Glu Tyr Arg
145

<210> 128
<211> 106
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 128

Met Val Trp Thr Ala Arg Arg Arg Ala Ser Val Arg Glu Asp Gly Leu
1 5 10 15

Leu Leu Ser Ser Ala Ser Thr His Ser Arg Ile Arg Leu Leu Pro Ser
20 25 30

Val Trp Ser Val Phe Val Thr Val Ala Val Glu Arg Lys Arg Val Leu
35 40 45

Leu Val Arg Met Pro Ser Ile Leu Ala Arg Leu Ser Asp Met Leu Ser
50 55 60

Ser Arg Val Leu Phe Ser Ser Ile Ile Met Asn Asp Ser Asp Asp Ala
65 70 75 80

Arg Ser Trp Met Ala Ala Leu Ser Phe Ser Asn Arg Gly Phe Arg Glu
85 90 95

Val Pro Ile Arg Ala Pro Ala Phe Val Ile
100 105

<210> 129
<211> 92
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 129

Met Ser Arg Cys Ser Cys Trp Arg Ile Asp Val Phe Arg Asn Ser Gly
1 5 10 15

Lys Ser Ser Thr Val Arg Thr Ser Val Ala Val Ile Ser Phe Leu Gly
20 25 30

Ala Ser Arg Leu Gly Phe Gly Gly Val Ala Thr Leu Ala Gly Glu Leu
35 40 45

Ile Ala Ser Val Tyr Ala Ala Ala Ser Asp Leu Thr Ala Ile Pro Trp
 50 55 60

Ser Leu Lys Ala Thr Cys Met Ser Glu Ser Ile Arg Gln Tyr Ser Ala
 65 70 75 80

Ala Gly Arg Ser Lys Leu Val Pro Thr Val Ala Cys
 85 90

<210> 130
 <211> 97
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 130

Met Val Pro Thr Ala Cys Ala Pro Met Arg Ser Ser Ser Glu Asp Ile
 1 5 10 15

Ser Pro Ala Val Leu Val Ala Arg Ser Arg Asp Ser Met Leu Ser Ser
 20 25 30

Phe Cys Phe His Ala Ser Thr Val Val Phe Pro Pro Phe Thr Leu Arg
 35 40 45

Gly Ala Ser Ser Ser Ser Ala Cys Phe Ser Thr Phe Thr Ser Ser Val
 50 55 60

Phe Leu Ala Asp Thr Ser Arg Ser Cys Arg Arg Trp Ala Met Val Leu
 65 70 75 80

Cys Phe Ser Thr Ser Leu Ser Ser Thr Phe Asn Cys Cys Val Trp Phe
 85 90 95

Trp

<210> 131
 <211> 113
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 131

Met Gly Thr Gly Leu Arg Gly Ala Leu Tyr Arg Leu Leu Asn Gly Ser
 1 5 10 15

Thr Ser Gly Thr His Ser Arg Met Gly Val Arg Ser Pro Met Pro Pro

Ser Val Thr Ser Asn Thr Ser Val Thr His Leu Ser His Asp Glu Ile
 115 120 125

Cys Asn Leu Phe Thr Thr Leu Ser Arg Glu His Gly Thr Val Gln Gly
 130 135 140

Arg Asp Ile Phe Ala Ala Ala Pro Thr Asn Val Thr Pro Glu Arg Thr
 145 150 155 160

Ala Asn His Pro Thr Trp Glu Thr Glu Asn Gln Leu Thr Thr Gln Thr
 165 170 175

Glu Pro Ala Glu Lys Thr His Val Ile Pro Ala Ser Pro Lys Ala Arg
 180 185 190

Thr Asp Pro Ile Ala Glu Thr Thr Ala His His Ser Gln Gly Gln Ala
 195 200 205

Ser Gln His Ala Asn Asn Val Asn Gln Pro Gly Gln Ile Thr Ser His
 210 215 220

Ala Ser Arg Asn Lys Pro Ser Thr Ala Pro Gln Ala Ser Ser Arg Pro
 225 230 235 240

Glu Lys Leu Asn Thr Gln Thr Val Pro Arg Leu Ile Ser Gln Thr Ser
 245 250 255

Glu Thr Ala His Ile Asn His Pro Ala Ser Gly Gln Val Thr Glu Pro
 260 265 270

Lys Gly Ile Phe Gly Thr Tyr Lys Pro Arg Val Leu Thr Glu Pro Ala
 275 280 285

Lys Pro Ala His Ala Ser Ile Ala Ser Arg Gln Pro Glu Ala Thr Thr
 290 295 300

Thr Val Pro Lys Leu Pro Ile Asn Ala Pro Thr Ala Lys Val Phe Ile
 305 310 315 320

Gly Thr Ala Ser Lys Phe Leu Pro Asp Val Glu Glu Ser His Gly Thr
 325 330 335

Thr Pro Gly Ala His Gln Ser Lys Ile Asp Gln Lys Gln Tyr Gly Glu
 340 345 350

Ser Gln Pro His Arg Thr Pro His Leu Glu Glu Val Pro Arg Ala Pro
 355 360 365

His Val Asp Thr Pro Thr Ser Ala His Ile Asn Val Pro Ser Ser Gln
 370 375 380

Gly Pro Lys Thr Ile His Ala Arg Val Thr Pro Gly Ile Gln Thr Val
 385 390 395 400

Thr Pro Ser Ala Pro Pro Pro Ala Gly Gln Ile Arg Ala Phe Asn Thr
 405 410 415

Arg Phe Pro Glu Pro Thr Ala Gly Arg Ser Thr Thr Asn Arg Met Trp
 420 425 430

Asn

<210> 133
 <211> 140
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 133

Met Leu Tyr Phe Gln Glu Phe Gly Gly Val Leu Val Asp Glu Ser Leu
 1 5 10 15

Arg Leu Asp Arg Met Gly Arg Ser Ile Tyr Ser Arg Pro Val Arg Ala
 20 25 30

Cys Glu Thr His Phe Val Phe Trp Ala Ile Leu Leu Pro His Trp Leu
 35 40 45

Gly Ser Ile Pro His Pro Ile Arg Arg Gly Ala Thr Gly Arg Arg Phe
 50 55 60

Trp Glu Ala Cys Ile Glu Cys Ala Asp Leu Thr Gly Arg Trp Gly Gly
 65 70 75 80

Ala Gly Ser Tyr Cys Leu Asn Thr Gly Cys Tyr Ala Arg Val Tyr Cys
 85 90 95

Phe Trp Thr Leu Ala Arg Gly Asp Val Tyr Val Cys Ala Gly Trp Ser
 100 105 110

Val Asp Val Arg Arg Pro Trp Asn Leu Phe Lys Val Trp Gly Ala Val
 115 120 125

Arg Leu Thr Phe Ala Val Leu Phe Leu Ile Tyr Leu
 130 135 140

<210> 134
 <211> 169
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 134

Met Ser Ser Leu Arg Val Lys Glu Pro Ile Val Gln Gly Arg Leu Glu
 1 5 10 15

His Asp Tyr Pro Asn His Pro Leu Val Ala Glu Met Asn Asn Leu Pro
 20 25 30

Gln Gly Asp Met Ser Pro Ala Gln Tyr Ala Ile Ala Lys Arg Asn Tyr
 35 40 45

Leu Val Phe Leu Thr Ala Lys His His Tyr Asp Met Tyr Thr Gln Lys
 50 55 60

Lys Asn Gly Ile Leu Arg Lys Asp His Leu Arg Gly Leu Arg Gly Lys
 65 70 75 80

Lys Asp Ala Ser Ser Ser Ile Ser Ser Val Leu Ser Gly Ser Gly Ser
 85 90 95

Ala Ala Pro Ser Val Ala Pro Val Ala Ser Thr Leu Gly Ser Asn Ser
 100 105 110

Phe Thr Thr Ile Ser Ser Gly Pro His Ser Leu Ile Gly Ser Ile Gly
 115 120 125

Pro Thr Pro Gly Gly Gly Gly Pro Gly Ser Val Ala Ser Ser Gly Ile
 130 135 140

Gly Ser Thr Ser Leu Ser Pro Ser Asp Ala Thr Thr Leu Asp Thr Arg
 145 150 155 160

Arg Ser Ser Gln Asn Lys Lys Ser Lys
 165

<210> 135
 <211> 86
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 135

Met Pro Glu Asp Ala Thr Leu Pro Gly Pro Pro Pro Pro Gly Val Gly
 1 5 10 15

Pro Ile Glu Pro Ile Asn Glu Trp Gly Pro Leu Glu Ile Val Val Lys
 20 25 30

Leu Phe Asp Pro Arg Val Glu Ala Thr Gly Ala Thr Leu Gly Ala Ala
 35 40 45

Glu Pro Asp Pro Asp Lys Thr Leu Glu Ile Leu Glu Leu Ala Ser Phe
 50 55 60

Leu Pro Arg Arg Pro Arg Arg Trp Ser Leu Arg Lys Ile Pro Phe Phe
 65 70 75 80

Phe Cys Val Tyr Met Ser
 85

<210> 136
 <211> 448
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 136

Met Ala Ser Gly Arg Leu Pro Asp Leu Ala Glu Asp Glu Ala Ala Cys
 1 5 10 15

His Gly Arg Val Pro Tyr Pro Val His His Trp Leu Asp Cys Ser Arg
 20 25 30

Leu Gly Leu Asp Phe Ala Ala Ser Met Arg Ala Ile Gly Leu Cys Pro
 35 40 45

Glu Cys Tyr Val Cys Phe Val Thr Tyr Gly Leu Gly Ala Trp Glu Gly
 50 55 60

Gln Pro Pro Glu Trp Ala Arg Thr Leu Ile Ser Ala Pro Ser Phe Gln
 65 70 75 80

Thr Ala Leu Asn Asp Ile Ala Thr Gly Trp Met Pro Asp Asn Pro Pro
 85 90 95

Lys Asn Gly Asp Val Lys Ser Arg Leu His Asp Thr Gly Arg Leu Leu
100 105 110

Leu Glu Ala Tyr Ala Trp Val Leu Arg Cys Ile Cys Thr Gly Val Gly
115 120 125

Tyr Ala Asp Asn Glu Gly Leu Ser Leu Thr Ala Val Pro Arg Gly Ala
130 135 140

Trp Ser Arg Tyr Leu Val Val Ser Phe Pro Arg Ala Cys Cys Phe Val
145 150 155 160

Cys Lys Thr Leu Asn Cys Arg Gln Arg Phe Pro Leu Val Thr Cys Ser
165 170 175

Pro Gln His Ala Leu Asp Leu Pro Val Leu Arg Lys Lys Trp Asn Gly
180 185 190

Ala Gly Cys Val Ala Met Gln Leu Asn Val Pro Ser Ile Ser Arg Arg
195 200 205

Leu Gly Ala Asn Leu Asp Glu Arg Gly Leu Gly Pro Ser Asp Ala Gly
210 215 220

Leu Leu Ala Ser Leu Arg Glu Leu Ala Pro Thr Val Pro Cys Gly Asn
225 230 235 240

Pro Phe Asn Ala Leu Leu Arg Ser Leu Thr Phe Arg Gly Leu Leu Ser
245 250 255

Met Ser Arg Val Val Leu Pro Ile Gly Glu Ser Thr Glu Thr Glu Ile
260 265 270

Ser Arg Asp Leu Gly Gln Lys Val Leu Ala Tyr Asn Val Leu Phe Pro
275 280 285

Cys Ile Ser Leu Pro Val Trp Ser Gln Val Val Ala Arg Ser Val Leu
290 295 300

Glu Lys Thr Val Pro Ala Pro Arg Val Val Val Cys Leu Glu Cys Gly
305 310 315 320

Tyr Cys Leu Asn Phe Gly Arg Gly Lys Phe Glu Thr Val Asn Phe Pro
325 330 335

Pro Thr Asn Val Phe Phe Ser Arg Asp Gln Lys Glu Lys Gln Leu Ser
 340 345 350

Ile Cys Ala Thr Thr Gly Arg Val Tyr Cys Ser Tyr Cys Gly Gly Ser
 355 360 365

His Met Arg Val Ile Ser Leu Phe Glu Ile Thr Cys Val Gly Asp Pro
 370 375 380

Tyr Leu Arg Cys Val Leu Ala Asn Asn Ala Ala His Ser Ile Arg Asp
 385 390 395 400

Ala Asn Ser Leu Val Ser Val Val Val Pro Cys Leu Ala Ser Pro Asp
 405 410 415

Cys Ala Thr Gly Leu Leu Lys His Leu Arg Val Ala Glu Leu Phe Tyr
 420 425 430

Leu Thr Ser Ser Ile Ser Ser Leu Ser Cys Gly Lys Cys Asn Arg Ser
 435 440 445

<210> 137
 <211> 135
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 137

Met Gly Ser Thr Thr Arg Asp Met Leu Asn Arg Pro Leu Asn Val Arg
 1 5 10 15

Leu Leu Arg Arg Ala Leu Asn Gly Leu Pro His Gly Thr Val Gly Ala
 20 25 30

Ser Ser Arg Ser Glu Ala Ser Ser Pro Ala Ser Glu Gly Pro Arg Pro
 35 40 45

Arg Ser Ser Arg Leu Ala Pro Lys Arg Leu Glu Met Asp Gly Thr Phe
 50 55 60

Ser Cys Ile Ala Thr Gln Pro Ala Pro Phe His Phe Phe Arg Lys Thr
 65 70 75 80

Gly Lys Ser Ser Ala Cys Cys Gly Glu His Val Thr Arg Gly Asn Arg
 85 90 95

Trp Arg Gln Leu Arg Val Leu His Thr Lys Gln His Ala Leu Gly Asn
100 105 110

Asp Thr Thr Arg Tyr Leu Asp His Ala Pro Leu Gly Thr Ala Val Lys
115 120 125

Leu Arg Pro Ser Leu Ser Ala
130 135

<210> 138

<211> 268

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 138

Met Ser Ser Gly Lys Arg Leu Val Asp Glu Leu Cys Asp Val Val Val
1 5 10 15

Ser Tyr Leu Gly Pro Ser Gly Ile Ser Leu Asp Leu Glu Arg Cys Gln
20 25 30

Asp Gly Ala Pro Val Tyr Ala Lys Gly Gly Ala Val Pro Val Cys Thr
35 40 45

Val Arg Leu Gln His Gly Cys Val Tyr His Leu Glu Phe Val Tyr Lys
50 55 60

Phe Trp Leu His Lys Leu Glu Arg Leu Ala Tyr Pro Phe Ala Pro Cys
65 70 75 80

Phe Val Ile Thr Asn Asn Gly Leu Ala Thr Thr Leu Lys Cys Phe Leu
85 90 95

Cys Lys Pro Arg Asp Ala Asp Ala Gln Phe Gly Lys Asn Leu Pro Ile
100 105 110

Asn Ser Asp Val Tyr Leu Glu Arg Asn Ser Ser Val Phe Leu Gly Gln
115 120 125

Asp Asp Phe Met Lys Phe Lys Ala Arg Leu Val Phe Ser Gly Asp Leu
130 135 140

Asn Val Tyr Ser Ser Met Val Ile Cys Arg Thr Tyr Phe Thr Glu His
145 150 155 160

Arg Gln Val Leu Gln Phe Leu Val Val Thr Pro Lys Ser Ala Lys Arg
 165 170 175

Leu Lys Thr Leu Leu Arg Thr Val Phe Ala Leu Thr Gly His Ser Asp
 180 185 190

Gly Leu Gly Ala Leu Arg Arg Thr Gly Ser Val Ala Arg Pro Ser Gly
 195 200 205

Ser Glu Leu Thr Asp Ile Gly Ser Gly Glu Arg Cys Gly Asn Asp Arg
 210 215 220

Leu Thr Asp Ser Ile Gly Thr Ile Gly Gly Trp Pro Arg Gly Ala Cys
 225 230 235 240

Leu Thr Trp Leu Lys Thr Lys Leu Pro Val Met Gly Ala Phe Leu Ile
 245 250 255

Leu Ser Ile Ile Gly Trp Ile Val Leu Gly Trp Ala
 260 265

<210> 139
 <211> 104
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 139

Met Met Asp Arg Ile Arg Asn Ala Pro Met Thr Gly Ser Phe Val Phe
 1 5 10 15

Ser Gln Val Arg Gln Ala Pro Arg Gly His Pro Pro Ile Val Pro Met
 20 25 30

Glu Ser Val Asn Arg Ser Leu Pro His Arg Ser Pro Leu Pro Ile Ser
 35 40 45

Val Asn Ser Asp Pro Glu Gly Arg Ala Thr Glu Pro Val Arg Leu Asn
 50 55 60

Ala Pro Arg Pro Ser Glu Cys Pro Val Arg Ala Lys Thr Val Leu Arg
 65 70 75 80

Arg Val Phe Asn Arg Leu Ala Leu Phe Gly Val Thr Thr Lys Asn Cys
 85 90 95

Lys Thr Cys Arg Cys Ser Val Lys

<210> 140
 <211> 86
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 140

Met Ser Gly Asp Asp Leu Leu Ala Phe Glu Ser Leu Leu Pro Glu Asp
 1 5 10 15

Met Lys Ile Met Phe Pro Thr Ile Tyr Ser Arg Leu Asn Ala Ile Asn
 20 25 30

Tyr Cys Gln Tyr Leu Lys Thr Phe Leu Cys Asn Arg Ala Gln Thr Arg
 35 40 45

Ser Ala His Cys Glu His Cys Met Val Leu Asp Ala Lys Val Asn Ala
 50 55 60

Val Lys Gln Val Ile His Lys Ile Val Ser Thr Asp Ala Val Phe Thr
 65 70 75 80

Gly Ala Ala His Ser Thr
 85

<210> 141
 <211> 457
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 141

Met Phe Val Pro Trp Gln Leu Glu Thr Leu Met Lys His Trp Pro Ser
 1 5 10 15

Leu Arg Glu Leu Val Glu Gln Ser Phe Leu Pro Gly Thr Pro Asp Val
 20 25 30

Ala Phe Asn Ser Pro Val Leu Ile His Thr Gln Asp Ser Leu Gln Pro
 35 40 45

Ala Ser Ser Cys Arg Val Cys Asn Ile Leu Phe Thr Leu Val Arg Thr
 50 55 60

Phe Pro Pro Pro Asp Ser Phe Phe Glu Asp Tyr Gly Trp Leu Cys Leu
 65 70 75 80

Thr Cys Leu Tyr Ala Pro Arg Ser Trp Thr Ala Thr Leu Met Val Ala
 85 90 95

Ala Asp Leu Leu Glu Leu Ile His Met Tyr Phe Pro Gln Arg Val Lys
 100 105 110

Asp Gly Pro Val Tyr Thr Thr Gln Asn Ile Leu Gly Ile Asp Val Gln
 115 120 125

Leu His Phe Phe Ala Thr Arg Cys Phe Arg Pro Ile Asp Arg Glu Gln
 130 135 140

Ile Leu His Thr Ser His Leu Asn Phe Leu Gln Thr Glu Phe Ile Arg
 145 150 155 160

Gly Met Leu Glu Gly Thr Ile Pro Gly Ser Phe Cys Phe Lys Thr Ser
 165 170 175

Trp Pro Arg Thr Glu Lys Asp Asp Gln Gln Pro Thr Val Ala Cys Cys
 180 185 190

Ser Val Gly Arg Gly Asn His Ala Asn Arg Asp Asn His Leu Pro Asp
 195 200 205

Asp Leu Glu Glu Ala Phe Asn Ser Thr Asn Ala Lys Glu Lys Pro Ser
 210 215 220

Ile Leu Gly Val Phe Ser Ala Thr Trp Ser Glu Ser Gln Leu Leu Gly
 225 230 235 240

Ser Asp Thr Gln Gln Ala Thr Ile His Ser Gln Pro Ser Thr Phe Pro
 245 250 255

Thr Pro Glu Asp Ala Asp Gln Ser Gln Gly Pro Cys Leu Met His Pro
 260 265 270

Thr Leu Asn Leu Lys Thr Lys Asn His Thr Ala Ser Ile Cys Val Leu
 275 280 285

Cys Glu Cys Leu Ala Ala His Pro Asp Ala Gly Pro Val Leu Arg Asp
 290 295 300

Leu Arg Arg Asp Ile Leu Glu Asn Met Glu Asn Asn Val Lys Leu Val
 305 310 315 320

Asn Arg Ile Ser Tyr Ile Leu Asn Asp Pro Asp Ser Leu Ser His Val
 325 330 335

Arg Asp Glu His Leu Arg Gly Leu Ile Lys Arg Cys Ser Ala Gln Glu
 340 345 350

Ile His Lys His Phe Phe Cys Asp Pro Leu Cys Val Leu Asn Thr Tyr
 355 360 365

Ser His Cys Pro Ala Val Leu Phe Lys Cys Pro Pro Pro Glu Lys Tyr
 370 375 380

Lys Lys Leu Lys Ala Arg Leu Ala Thr Gly Glu Phe Leu Asp Cys Asn
 385 390 395 400

Arg Ile Phe Asp Cys Glu Thr Leu Gln Thr Leu Ala Val Leu Phe Lys
 405 410 415

Gly Ser Gln Leu Ala Lys Ile Gly Lys Thr Thr Ser Leu Glu Ile Ile
 420 425 430

Arg Glu Leu Gly Phe Gln Leu Arg Arg His Asn Ile Gln Ile Thr His
 435 440 445

Pro Phe Gln Thr Ser Asn Leu Tyr Ile
 450 455

<210> 142
 <211> 127
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 142

Met Tyr Asp Met Arg Leu Thr Ser Leu Thr Leu Phe Ser Met Phe Ser
 1 5 10 15

Arg Met Ser Arg Arg Arg Ser Leu Arg Thr Gly Pro Ala Ser Gly Trp
 20 25 30

Ala Ala Arg His Ser His Arg Thr Gln Met Asp Ala Val Trp Phe Phe
 35 40 45

Val Leu Arg Leu Ser Val Gly Cys Ile Arg Gln Gly Pro Cys Asp Trp
 50 55 60

Ser Ala Ser Ser Gly Val Gly Lys Val Glu Gly Cys Glu Trp Ile Val
65 70 75 80

Ala Cys Cys Val Ser Glu Pro Arg Ser Trp Asp Ser Asp His Val Ala
85 90 95

Glu Lys Thr Pro Arg Met Leu Gly Phe Ser Leu Ala Phe Val Glu Leu
100 105 110

Asn Ala Ser Ser Arg Ser Ser Gly Arg Trp Leu Ser Arg Leu Ala
115 120 125

<210> 143

<211> 108

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 143

Met Phe Asp Glu Cys Pro Asn Asp Glu Arg Asp Thr His Arg Pro Gly
1 5 10 15

Ala Met Val Phe Arg Phe Asn Gly Asn Ile Thr Asp Phe Glu Val His
20 25 30

Ile Gly Val Pro Ile Ser Leu Lys Lys Ser Thr Pro Ser Ser Trp Arg
35 40 45

Arg Val Arg Ala Glu Lys Asn Cys Val Ser Glu Thr Asn Phe Phe His
50 55 60

Cys Ile Ile Ser Leu Leu Gln Leu Pro Cys Leu Asp Ala Gly Cys Val
65 70 75 80

Asp Trp Gly Pro Ser Gly Arg Leu Thr Leu Gly Ala Tyr Gly Val Arg
85 90 95

Asp Ala Asn Arg Arg Leu Gly Cys Phe Gly Ile Val
100 105

<210> 144

<211> 297

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 144

Met Pro Lys Gln Pro Arg Arg Arg Leu Ala Ser Arg Thr Pro Tyr Ala
1 5 10 15

Pro Ser Val Lys Arg Pro Asp Gly Pro Gln Ser Thr Gln Pro Ala Ser
20 25 30

Arg His Gly Ser Cys Lys Ser Glu Ile Met Gln Trp Lys Lys Leu Val
35 40 45

Ser Asp Thr Gln Phe Phe Ser Ala Leu Thr Arg Arg His Glu Leu Gly
50 55 60

Val Asp Phe Leu Arg Glu Met Gly Thr Pro Ile Cys Thr Ser Lys Ser
65 70 75 80

Val Met Leu Pro Leu Asn Leu Lys Thr Ile Ala Pro Gly Arg Cys Val
85 90 95

Ser Leu Ser Ser Phe Gly His Ser Ser Asn Met Gly Phe Asn Cys Ser
100 105 110

Ser Cys Thr Pro Thr Asp Arg Ser Ala Val Ser Leu Asp Ala Asn Ala
115 120 125

Leu Gly Glu Asp Ser Ala Arg Lys Asn Ser Glu Leu Cys Ser Val Ala
130 135 140

Leu Thr Phe Tyr His His Ala Glu Lys Val Val Gln His Lys Gly Phe
145 150 155 160

Tyr Leu Ser Leu Leu Ser His Ser Met Glu Val Val Arg Arg Ser Phe
165 170 175

Thr Gln Pro Gly Leu Leu Tyr Ala His Leu Val Leu Lys Thr Phe Gly
180 185 190

His Asp Pro Leu Pro Ile Phe Thr Val Asp Ala Asn Glu Arg Leu Ala
195 200 205

Leu Trp Ala Val Phe His Thr Arg Asp Leu His Leu Gly Glu Thr Ser
210 215 220

Leu Arg Leu Ile Met Asp Asn Leu Pro Asn Tyr Asp Ile Thr Val Asp
225 230 235 240

Cys Ile Lys Gln Thr Tyr Ile Met Lys Phe Thr Pro Ser Arg Pro Asp
245 250 255

Asn Ala Thr Val Thr Val Pro Val Asn Ser Ile Cys Glu Ala Val Ala
 260 265 270

Thr Leu Asp Cys Thr Asp Glu Phe Arg Glu Glu Ile Gln Arg Gly Thr
 275 280 285

Thr Ile Ile Asn Ser Gln Gly Ser Leu
 290 295

<210> 145
 <211> 83
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 145

Met Leu Thr Arg Ala Pro Arg Leu Gly Ala Ser Val Gln Leu Thr Ala
 1 5 10 15

Val Arg Leu Leu Leu Leu Phe Leu Thr Ser Ser Thr Pro Thr Ala Ile
 20 25 30

Asn Cys Thr Lys Pro Gly Ser Val Phe Phe Trp Leu Ser Trp Pro Lys
 35 40 45

Val Phe Met Glu Asn His Tyr Ser Phe Ile Ser Val Asn Ser Val Ser
 50 55 60

Ile Thr Val Val Ala Ala Gly Lys Ile Ser Ser Arg Gly Lys Thr Ala
 65 70 75 80

Thr Asn Cys

<210> 146
 <211> 289
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 146

Met Trp Cys Leu Val Gln Arg Ala Gly Pro Pro Val Gly Cys Arg Ser
 1 5 10 15

Pro Gly Gly Val Gln Val Pro Arg Trp Gly Ala Gly Pro Pro Val Gly
 20 25 30

Cys Arg Ser Pro Gly Gly Val Gln Val Pro Arg Trp Gly Ala Gly Pro
 35 40 45

Pro Val Gly Cys Arg Ser Pro Gly Gly Val Gln Val Pro Arg Trp Gly
 50 55 60

Ala Gly Pro Pro Val Gly Cys Arg Ser Pro Gly Gly Val Gln Val Pro
 65 70 75 80

Arg Trp Gly Ala Gly Pro Pro Val Gly Cys Arg Ser Pro Gly Gly Val
 85 90 95

Gln Val Pro Arg Trp Gly Ala Gly Pro Pro Val Gly Cys Arg Ser Pro
 100 105 110

Gly Gly Val Gln Val Pro Arg Trp Gly Ala Gly Pro Pro Val Gly Cys
 115 120 125

Arg Ser Pro Gly Gly Val Gln Val Pro Arg Trp Gly Ala Gly Pro Pro
 130 135 140

Val Gly Cys Arg Ser Pro Gly Gly Val Gln Val Pro Arg Trp Gly Ala
 145 150 155 160

Gly Pro Pro Val Gly Cys Arg Ser Pro Gly Gly Val Gln Val Pro Arg
 165 170 175

Trp Gly Ala Gly Pro Pro Val Gly Cys Arg Ser Pro Gly Gly Val Gln
 180 185 190

Val Pro Arg Trp Gly Ala Gly Pro Pro Val Gly Cys Arg Ser Pro Gly
 195 200 205

Gly Ala Pro Gly Gly Ser Gly Trp Gly Gly Gly Ser Gly Trp Leu Arg
 210 215 220

Val Gly Trp Arg Leu Arg Val Ala Pro Gly Gly Val Ala Ala Pro Gly
 225 230 235 240

Gly Ser Gly Trp Ala Gln Val Leu Lys Ala Thr Val Asn Pro Thr Ala
 245 250 255

Asn Pro Thr Gln Lys Ser Pro Cys Ala Ser Arg Ala Glu Ala Arg Leu
 260 265 270

Leu Thr Cys Ala Ser Gly Ala Leu Tyr Ile Gly Gln Asn Thr Leu Pro
 275 280 285

Lys

<210> 147
 <211> 108
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 147

Met Gly Asn Pro Arg Ile Asp Arg Ser His Ser Lys His Val Gly Phe
 1 5 10 15

Thr Leu Phe Gly Glu Ser Pro Leu Ala Gly Pro Asn Val Pro Ala Arg
 20 25 30

Cys Thr Trp Val Leu Arg Asn Ala Lys Leu Pro Leu Pro Cys Arg Val
 35 40 45

Pro Tyr Ser Cys Ser Ala Ile Phe Glu Tyr Thr Ala Leu His Gly Trp
 50 55 60

Arg Ala Val Gly Arg Trp Cys Ala Asn Gln Lys Leu Met Ile His Leu
 65 70 75 80

Leu Val Leu Trp Leu His Asn Asn Thr Met Leu Leu Ile Leu Gly Gly
 85 90 95

Cys Phe Gly Leu Tyr Lys Gly Arg Arg Lys His Arg
 100 105

<210> 148
 <211> 234
 <212> PRT
 <213> Japanese Macaque Herpesvirus
 <400> 148

Met Tyr Ser Trp Gly Glu Phe Arg Thr Met Glu Arg Lys Met Ser Leu
 1 5 10 15

Arg Val Thr Arg Gly Ser Gln Lys His Ile Thr Met Gly Leu Phe Gly
 20 25 30

Ala His Lys Arg Ala Val Gly Asn Gly Leu Gly Gly Ala Pro Ala Pro
 35 40 45

Pro Cys Ala Arg Asn Leu Gly Arg Gly Val Arg Arg Gly Ser Pro Lys
 50 55 60

His Val Leu Met Val Ala Ala Arg Thr His Arg Pro Leu Phe Gly Ala
 65 70 75 80

Gly Val Ile Arg Arg Ser Ala Gln Asn Val Ala His Gly Thr His Cys
 85 90 95

Thr His Gly Ala His Glu Gly Gly Gly Val Ala Gly Arg Ser His Arg
 100 105 110

Ala Gly Arg Gly Ala Arg Arg Leu Trp His Arg Ala Ser Asp Val Tyr
 115 120 125

Gly Arg Asn Pro Leu Ser Arg Gly Ile Lys Gly Arg Arg Gln Gly Arg
 130 135 140

Phe Pro Leu Ala Arg Arg Ala Val Asn Gln Thr Asp Ala Arg Arg Arg
 145 150 155 160

Leu Val Val Ala Thr Val Gly Phe Leu Leu Arg Cys Arg Val Pro Ser
 165 170 175

Arg Asp Trp Leu Gly Asp Leu Ser Ile Lys Asn Ala Arg Arg Pro Leu
 180 185 190

Ala Gln Pro Pro Val Asn His Gly Ile Leu Ala Ala Asn Trp Pro Lys
 195 200 205

Gln Thr Ala Asn Pro Arg Val Gly Phe Cys Leu Gln Val Pro Leu Tyr
 210 215 220

Tyr Ile Tyr Ser Ile Ile Phe Phe Pro Cys
 225 230

<210> 149

<211> 85

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 149

Met Thr Pro Ala Pro Lys Ser Gly Arg Trp Val Arg Ala Ala Thr Ile
 1 5 10 15

Lys Thr Cys Phe Gly Asp Pro Arg Leu Thr Pro Arg Pro Lys Leu Arg
20 25 30

Ala His Gly Gly Ala Gly Ala Pro Pro Ser Pro Phe Pro Thr Ala Arg
35 40 45

Leu Trp Ala Pro Asn Arg Pro Met Val Ile Cys Phe Cys Asp Pro Arg
50 55 60

Val Thr Arg Ser Asp Ile Leu Arg Ser Met Val Leu Asn Ser Pro His
65 70 75 80

Glu Tyr Met Phe Arg
85

<210> 150
<211> 88
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 150

Met Val Pro Phe Gly Ala His Gly Ala Val Phe Ala Ala Arg Gly Arg
1 5 10 15

Arg Arg Val Thr Glu Thr Cys Thr His Gly Ala Asn Ser Gly Pro Trp
20 25 30

Ser Ala Lys Cys Arg Ser Gly Ser Pro Glu Gly His Arg Asn Ile Ser
35 40 45

Pro Trp Ala Tyr Leu Val Pro Ile Ser Gly Pro Trp Glu Met Gly Ser
50 55 60

Val Gly Arg Arg Arg His His Val Pro Ala Ile Trp Gly Ala Gly Ser
65 70 75 80

Gly Gly Gly His Arg Asn Met Phe
85

<210> 151
<211> 94
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 151

Met Ser Cys Glu His Phe Pro Pro Gly Tyr Asn Gly Gln Glu Ser Ala

1	5	10	15
Gly Lys Thr Ser Thr Gly Leu Pro Val Gly Glu Arg Glu Ala Arg Arg	20	25	30
Tyr Ala Ala Cys Val Ser Glu Val Ala Pro Met Gly Arg Met Thr Thr	35	40	45
Pro Ala Thr Arg Arg Ala Ala Gly Ala Asp Ile Ser Gln Asn Arg Pro	50	55	60
Arg Arg Gln Ala Ala Arg Leu Pro Pro Pro Thr Thr Leu Ile Leu Ala	65	70	75
Phe Lys Leu Leu Phe Lys Ala Arg Leu Phe Val Ala Arg Ala	85	90	
<210> 152			
<211> 174			
<212> PRT			
<213> Japanese Macaque Herpesvirus			
<400> 152			
Met Phe Pro His Lys Arg Ile Val Asp Leu Gly Arg His Leu Glu Ala	1	5	10
Asp Asp Arg Glu Ala Val Leu Trp Leu Phe Asp Arg Pro Val Ser Asp	20	25	30
Asn Thr Pro Glu Gly Phe Ala Asn Gly Leu Cys Pro Pro Thr Gly Glu	35	40	45
Pro Gly Ile Pro Phe Pro Val Leu Leu Glu Ala Val Phe Leu Val Gly	50	55	60
Arg Leu Asp Leu Val Ser Thr Phe Phe Leu Leu Asp Val Gly Phe Ile	65	70	75
Val Glu Arg Leu Arg Ser Ser Pro Ser Tyr Phe Ser Pro Tyr Lys His	85	90	95
Leu Met Leu Ser Ile Asn Arg Gln Leu Ser Glu Arg Asp Val Lys Asn	100	105	110
Leu Val Phe Leu Thr Gly Asn Gln Leu Gly Arg Lys Arg Asn Gln Ser	115	120	125

Pro Thr Phe Phe Gln Trp Ile Ser Gln Met Glu Lys Ala Ala Leu Val
 130 135 140

Ser Pro Ser Asp Tyr Leu Val Leu Lys Asp Leu Leu Gln Ala Val Ser
 145 150 155 160

Arg Arg Asp Val Ala Lys Val Val Ala Ala Asn Ala Pro Gly
 165 170

<210> 153
 <211> 254
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 153

Met Ala Phe Val Gly Pro Val Pro Thr Gly Thr Ile Asp Pro Val Leu
 1 5 10 15

Tyr Gln Asp Arg Ala Leu Ser Asn Leu Leu Ala His Glu Thr Ser Phe
 20 25 30

Val Thr Ser Thr Ala Cys Tyr Gly Thr Val Gln Thr Glu Val Thr Leu
 35 40 45

Gly Met Arg Val Ile Leu Gly Thr Trp Met Arg Ser Val Ala Arg Ala
 50 55 60

His Gln Ala Asp Ala Ser Val Phe Pro Leu Ala Val Ser Ile Leu Asp
 65 70 75 80

Arg Tyr Leu Glu Cys Arg Ser Ile Pro Arg Arg Arg Phe Gln Arg Leu
 85 90 95

Gly Ala Ala Cys Leu Phe Leu Ala Gly Lys Ile Arg Asp Leu Asn Pro
 100 105 110

Phe Lys Ala Ala Phe Leu Cys Phe Cys Ala Ala Asp Asp Phe Ser Val
 115 120 125

Ala Asp Leu Leu Lys Gln Glu Lys Ser Val Leu Lys Ala Leu Arg Trp
 130 135 140

Lys Leu Glu Ala Val Leu Pro Thr Asp Ala Ile Gly Pro Ala Leu Phe
 145 150 155 160

Lys Ser Gly Phe Thr Lys Glu Gln Leu Phe Ala Leu His Ser Arg Val
165 170 175

Val Glu Ser Val His Lys Ala Ile Val Asn Pro Val Thr Gly Gly Leu
180 185 190

Ser Pro Ser Leu Val Ala Ala Ala Cys Ala Leu Phe Ser Leu Gly Ala
195 200 205

Ala Ala Pro Pro Leu Asp Lys Leu Ala Glu Ala Ile Gly Val Ser Ala
210 215 220

Ala Thr Leu Thr Ala Ala Ala Glu Ser Val Ala Thr Thr Leu Arg Glu
225 230 235 240

Leu Asp Glu Asp Arg Ile Leu Asn Asn Ala Arg Gly Ser Ser
245 250

<210> 154
<211> 436
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 154

Met Trp Gly Ser Arg Gln His Arg Ser Gly Ile Val Ser Gly His Gly
1 5 10 15

Leu Arg Ser Ser Cys Arg Gly His Cys Gly Arg Arg Gly Gly Thr Arg
20 25 30

Glu Gln Ala Gly Gly Arg Ser Arg Gly Arg Gly Arg Gly Ala Ala Ala
35 40 45

Pro Ala Ser Ala Ser Ala Ala Ser Ala Ser Pro Thr Pro Pro Gly Pro
50 55 60

Gln Val Leu Val Val Val Glu Gln Gly His Gly Ser Asp Thr Glu Thr
65 70 75 80

Ala Thr Glu Ser Gly His Gly Ser Ser Gln Gly Ser Pro Ser Gly Ser
85 90 95

Gly Ser Glu Ser Val Ile Val Leu Gly Ser Pro Thr Pro Ser Pro Ser
100 105 110

Gly Ser Ala Pro Val Leu Ala Ser Asp Leu Ser Pro Arg Asn Thr Ser
 115 120 125

Gly Ser Ser Pro Gly Ser Pro Ala Ser His Ser Pro Pro Pro Ser Pro
 130 135 140

Pro Ser His Pro Ala Pro Leu Ser Pro Ala Pro Pro Ser Ser His His
 145 150 155 160

Pro Ser Pro Asp Pro Gln Pro Pro Ser Phe Leu Gln Pro Leu Pro His
 165 170 175

Asp Ser Pro Glu Pro Pro Gly Pro Pro Thr Ser Ser Pro Pro Pro Asn
 180 185 190

Ser Pro Gly Pro Pro Gln Ser Pro Thr Pro Thr Ser Ser Pro Pro Pro
 195 200 205

Gln Ser Pro Pro Asp Ser Pro Gly Pro Gln Gln Ser Pro Thr Pro Gln
 210 215 220

Gln Ala Pro Ser Pro Asn Thr Gln Gln Ala Val Ser His Thr Asp His
 225 230 235 240

Pro Ala Gly Pro Ser Arg Pro Gly Pro Pro Phe Pro Gly His Thr Ser
 245 250 255

His Thr Tyr Thr Val Gly Gly Trp Gly Pro Pro Arg Arg Pro Gly Gly
 260 265 270

Val Pro Cys Leu Arg Leu Arg Cys Thr Ser His Asn Ser His Glu Asp
 275 280 285

Glu Val Pro Glu Arg Gln Arg Glu Gln Glu Gly Glu Glu Arg Gln Gln
 290 295 300

Gln Pro Ala Arg Pro Pro Arg Pro Pro Arg Tyr Pro Ile Pro Ile Pro
 305 310 315 320

Tyr Pro His Pro Arg Arg Arg Tyr Gln Glu Asn Thr Ala His Lys Glu
 325 330 335

Asp Phe Ile Val Arg Arg Trp Glu Thr Gly Ser Thr Pro Leu Asp Arg
 340 345 350

Ala Arg Gly Val Thr Glu Ser Ser Phe Val Thr Gln Thr Pro Ile His
 355 360 365

Cys Ile Ala Trp Gln Gly Ala Tyr Ser Phe Pro Gly Leu Glu His Pro
 370 375 380

Ala Ser Ala Phe Cys Arg Thr His Leu Glu Val Pro Ser Ser Arg Leu
 385 390 395 400

Phe Ala Ser Arg Cys Ser Val Lys Val Ala Glu Pro Pro Arg Pro Ser
 405 410 415

Lys Lys Pro Val Ala Gly Gly Asn Asn Phe Thr His Pro Pro Pro Thr
 420 425 430

Ser Met Leu Ala
 435

<210> 155
 <211> 126
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 155

Met Gly Pro Val Glu Ala Leu Ala Ile Ala Val Val Gln Val Ser Arg
 1 5 10 15

Ala Gly Ile Ala Glu Gly Ala Arg Thr Leu Ala Leu Ala Ile Val Val
 20 25 30

Val Gln Val Ser Trp Glu Gly Ala Arg Thr Leu Glu Ala Gln Ala Val
 35 40 45

Gln Val Ser Arg Gly Ala Thr Val Ala Lys Thr Thr Glu Ala Ala Asp
 50 55 60

Arg Ala Met Asp Asp Ala Thr Thr Ala Val Gln Val Arg Gly Gly Arg
 65 70 75 80

Gly Ala Met Gly Val Met Val Gly Ala Asn Ala Met Arg Gly Ile Pro
 85 90 95

Gly Thr Thr Leu Met Cys Phe Glu Val Thr Gly Leu Lys Leu Thr Pro
 100 105 110

Ala Gln Thr Arg Leu Ala Met Ala Leu Glu Ile Pro Thr Arg

115 120 125

 <210> 156
 <211> 108
 <212> PRT
 <213> Japanese Macaque Herpesvirus

 <400> 156

 Met Thr Asp Ser Asp Pro Asp Pro Glu Gly Asp Pro Cys Asp Asp Pro
 1 5 10 15

 Cys Pro Asp Ser Val Ala Val Ser Val Ser Asp Pro Cys Pro Cys Ser
 20 25 30

 Thr Thr Thr Arg Thr Cys Gly Pro Gly Gly Val Gly Glu Ala Glu Ala
 35 40 45

 Ala Asp Ala Glu Ala Gly Ala Ala Ala Pro Arg Pro Leu Pro Arg Leu
 50 55 60

 Arg Pro Pro Ala Cys Ser Leu Val Pro Pro Arg Leu Pro Gln Cys Pro
 65 70 75 80

 Leu Gln Glu Leu Arg Asn Pro Cys Pro Asp Thr Met Pro Glu Arg Cys
 85 90 95

 Cys Arg Leu Pro His Met Ile Ala Val Tyr Cys Val
 100 105

 <210> 157
 <211> 83
 <212> PRT
 <213> Japanese Macaque Herpesvirus

 <400> 157

 Met Arg Ala Arg Pro Asp Gln Asn Ser Pro Pro Pro Ser Gly His Asn
 1 5 10 15

 Arg Lys Arg Thr Lys His Arg Phe Cys Val Arg Ala Leu Arg Trp Leu
 20 25 30

 Arg Val Val Glu Arg Ala Ile Tyr Leu Ile Cys Arg Phe Leu His Ala
 35 40 45

 Val Asn Arg Asp His Val Gly Gln Pro Ala Thr Ser Phe Arg His Ser
 50 55 60

Ile Gly Thr Arg Val Ala Lys Phe Leu Gln Gly Thr Leu Arg Lys Thr
65 70 75 80

Arg Arg His

<210> 158
<211> 86
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 158

Met Ala Leu Arg Val Gly Gly Asn Leu Phe Glu Lys Asp Leu Leu Pro
1 5 10 15

Pro Gly Val Lys His Arg His Arg Pro Cys Val Phe Asn His Val Gly
20 25 30

Arg Asn Tyr Ile Asn Ala Ala Ala Gly Asp Ala Arg His Gly Ser Val
35 40 45

Arg Ser Ser Asn Ala Leu Cys Gly Gly Pro Arg Ala Leu Tyr Arg Val
50 55 60

Pro Trp Val Arg Val Asn Asn Ser Pro Gln Arg Ser Tyr Arg Tyr Leu
65 70 75 80

Ala Lys Thr Gly Ile Ala
85

<210> 159
<211> 253
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 159

Met Leu Gly Gly Ile Thr Leu Thr Leu Leu Ala Thr Leu Ala Thr
1 5 10 15

Val Arg Cys Ala Leu Gln Thr His Tyr Ala Ala Val Pro Val His Ser
20 25 30

Thr Ala Ser Leu Gly Cys Val Leu Thr Thr Ala His Asn Val Leu Ile
35 40 45

Val Thr Trp Gln Lys Gln Glu Ser Pro Ser Pro Val Asn Val Ala Thr

50	55	60
Tyr Ser Ser Glu Ala Gly Thr Val Val Gln Pro Pro Phe Ala Gly Arg		
65	70	75 80
Val Asp Ile Pro Glu His Lys Leu Thr Arg Thr Thr Leu Lys Phe Phe		
	85	90 95
Asn Ala Thr Met Glu Asp Glu Gly Cys Tyr Leu Cys Ile Phe Asn Ala		
	100	105 110
Phe Gly Val Gly Lys Leu Ser Gly Thr Ala Cys Leu Thr Val Tyr Val		
	115	120 125
Pro Leu Ser Met Ser Val Thr Phe Tyr Pro Pro Ile Asn Pro Thr Gln		
	130	135 140
Leu Val Cys Arg Ala Glu Ala Ser Pro Ala Pro Ser Val Asn Trp Thr		
145	150	155 160
Gly Val Pro Pro Glu Leu Cys Ser Glu Pro Glu Val Phe Pro Arg Pro		
	165	170 175
Asn Gly Thr Thr Leu Val Val Gly Arg Cys Asn Val Thr Ser Val Asp		
	180	185 190
Pro Glu Asp Leu Arg Asn Ala Thr Cys Leu Val Thr His Ile Gly Gly		
	195	200 205
Leu Ala Ser Ala Arg Pro Leu Gly Pro Val Phe Ser Asp Pro Leu Glu		
	210	215 220
Gly Thr Ser His Tyr Val Val Gly Val Val Ala Ala Val Ala Val Leu		
225	230	235 240
Gly Ile Phe Leu Thr Gly Val Phe Leu Tyr Arg Ser Met		
	245	250

<210> 160
 <211> 165
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 160

Met Ser Asp Gln Ala Arg Gly Val Ser Glu Val Phe Gly Ile His Arg
1 5 10 15

Arg Tyr Val Ala Ala Thr His Asp Gln Gly Cys Ser Val Gly Ser Gly
20 25 30

Lys His Phe Gly Phe Ala Ala Gln Leu Gly Trp His Ala Gly Pro Val
35 40 45

Asn Arg Arg Cys Gly Thr Gly Leu Gly Pro Thr Asp Lys Leu Arg Arg
50 55 60

Val Asn Trp Gly Val Lys Arg Asp Gly His Gly Gln Gly Asp Val Asn
65 70 75 80

Arg Gln Ala Gly Gly Ser Arg Gln Leu Ser His Ser Lys Arg Val Lys
85 90 95

Asp Thr Gln Val Ala Pro Leu Val Leu His Ser Gly Ile Lys Lys Leu
100 105 110

Gln Gly Cys Ser Gly Gln Leu Val Phe Gly Asp Val Asn Pro Thr Gly
115 120 125

Glu Arg Gly Leu Asn His Arg Ala Arg Phe Gly Thr Ile Cys Gly His
130 135 140

Val Asn Gly Ala Arg Arg Phe Leu Phe Leu Pro Gly Asn Asp Lys Asn
145 150 155 160

Val Val Gly Cys Cys
165

<210> 161

<211> 342

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 161

Met Asp Ala Leu Asn Asn Asn Leu Asn Leu Leu Met Asp Phe Leu Ser
1 5 10 15

Asn Tyr Ser Asn Ser Tyr Ser Ser Tyr Asp Asp Asn Ile Ser Tyr Thr
20 25 30

Leu Asp Thr Glu Ser Thr Leu Cys Arg Leu Thr Ile Ile Phe Pro Pro
35 40 45

Thr Ile Tyr Ala Ile Ile Cys Phe Phe Ile Phe Cys Ile Thr Leu Leu
 50 55 60

Gly Asn Ala Leu Val Leu Tyr Ile Phe Phe Lys Phe Lys Ala Leu Ala
 65 70 75 80

Asn Ser Val Asp Val Leu Met Ala Gly Leu Cys Cys Asn Ser Leu Phe
 85 90 95

Leu Cys Ala Ser Phe Leu Phe Ser Trp Leu Leu Tyr Val Ala Pro Gln
 100 105 110

Ile Leu Thr Pro Ala Thr Cys Lys Val Glu Ile Phe Phe Phe Tyr Leu
 115 120 125

Tyr Thr Tyr Phe Gly Val Tyr Ile Val Val Cys Ile Ser Leu Ile Arg
 130 135 140

Cys Leu Leu Val Val Phe Ser Arg Arg Pro Trp Val Lys His Trp Ala
 145 150 155 160

Ser Gly Phe Leu Cys Val Cys Val Ser Leu Ile Val Ala Leu Ala Leu
 165 170 175

Ser Ala Asn Ala Ser Leu Tyr Arg Thr Ala Leu Arg His Pro Glu Thr
 180 185 190

Ser Glu Trp Ile Cys Tyr Glu Asp Ala Gly Glu Asp Thr Val Asn Trp
 195 200 205

Lys Leu Arg Ile Arg Thr Ile Ser Ala Ile Cys Gly Phe Leu Val Pro
 210 215 220

Phe Gly Leu Leu Val Leu Phe Tyr Gly Leu Thr Trp Cys Ile Val Lys
 225 230 235 240

Ser Thr Lys Leu Ala Arg Lys Gly Ala Val Arg Gly Val Ile Val Thr
 245 250 255

Val Val Val Leu Phe Leu Ile Phe Cys Leu Pro Tyr His Leu Cys Asn
 260 265 270

Phe Phe Asp Thr Leu Leu Arg Thr Gly Phe Val Thr Glu Thr Cys Tyr
 275 280 285

Ile Arg Asp Val Ile Ser Val Ala Met His Ile Cys Ser Leu Leu Gln
 290 295 300

Ser Met Tyr Ser Ala Phe Val Pro Val Val Tyr Ser Gly Leu Gly Ser
 305 310 315 320

Leu Phe Arg Arg Arg Val Arg Asp Thr Trp Ser Met Phe Arg Cys Phe
 325 330 335

Ser Thr Ser Gly Ser Leu
 340

<210> 162
 <211> 1298
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 162

Met Ala Gln Arg Thr Asn Pro Arg Trp Ala Ala Ala Ala Leu Ser Ala
 1 5 10 15

Asp Glu Glu Ala Phe Ile His Asp Asn Ser Asp Ala Glu Ser Val Leu
 20 25 30

Ala Leu Val Pro Glu Gln Cys Phe Ser Glu Phe Leu Leu Trp Leu Val
 35 40 45

Thr Arg Pro Ser Asp Asn Phe Asp Asn Asp Asp Asp Asp Pro Thr Leu
 50 55 60

Gly Val Ile Trp Gln Leu Leu Ala Pro Leu Val Asn Tyr Ala Pro Leu
 65 70 75 80

Glu Thr Arg Ser Ala His Leu Gln Gly His His Thr Ile Ser Leu Pro
 85 90 95

Tyr Gly Pro Asp Leu Leu Arg Gln Pro Thr Thr Arg Ser Ser Glu Leu
 100 105 110

Val Gln Cys Leu Arg Asp Ser Gly Phe Asp Thr Ala Leu Arg Leu Glu
 115 120 125

Leu Ala Arg His Leu Ser Cys Gln Thr Arg Arg Phe Val Ala Asp Arg
 130 135 140

Val Pro Pro Gly Thr Phe Ala Ala Leu Thr Leu Gly Ala Leu Val Glu
 145 150 155 160

Tyr Asp Val Arg Val Gln Arg Gln Leu Pro Val Thr Val Gln Ser Thr
 165 170 175

Ala Trp Arg Pro Leu Pro Glu Arg Asp Pro Ile Cys Ala Ala Val Met
 180 185 190

Leu Pro Leu Gln Arg Asn Ile Leu Pro Leu Ala Val Gln Ala Ser Asn
 195 200 205

Gly Asn Ser Tyr Thr Val Ser Arg Tyr Ala Val Met Ala Arg Arg Ser
 210 215 220

Tyr Gly Cys Val Phe Gln Arg Leu Pro Cys Glu Asn Val Thr His Ile
 225 230 235 240

Ala Asp Ser Phe Thr His Leu His Ser Ala Ile Arg Thr Gly Ala Gly
 245 250 255

Ala Leu Gln Asp Ile Leu Phe His Ser Thr Leu Leu Pro Gly Gly Asp
 260 265 270

Ile Arg Ser Ala Leu Cys Gly Phe Tyr Ala Thr Thr Pro Ser Val Gly
 275 280 285

Ala Phe Ser Arg Ala Arg His Arg Ala Ile Asn Thr Thr Thr Thr Leu
 290 295 300

His Cys Gln Gln Leu Ala Arg Thr Gly Thr Pro Val Leu Gly Gly Phe
 305 310 315 320

Leu Lys Thr Val His Ser Ala Thr Thr Ser Glu Ala Asn Val Ile Thr
 325 330 335

Thr Thr Ser Leu Leu Ser Cys Val Pro Gln Ala Tyr Thr Phe Leu Arg
 340 345 350

Arg Ser Leu Phe Asn Gln Pro Ile Ile Cys Leu Gly Ser Phe Glu Pro
 355 360 365

Val Asp Gly Asp Gly Asn Gln Arg Ser Leu Tyr Leu Gly Ser Ala Ala
 370 375 380

Gly Ile Asn Arg Ile Asn Gln Thr Leu Ser Leu Ala Tyr Glu Ile Leu
 385 390 395 400

Glu Gly Pro Leu Phe Thr Ser Ile Asn Arg Ala His Glu Pro Ala Ser
 405 410 415

Thr Ile Ser His Leu Gly Ala Leu Val Ser Arg Gly Gly Leu Arg Leu
 420 425 430

Phe Val Ser Gln Leu Pro Pro Thr Ile Leu Ser Gln Leu Thr Ala Thr
 435 440 445

Pro Asp Ile Ser Arg Glu Thr Val Asn Asp Ile Leu Leu Asn Lys Phe
 450 455 460

Leu Asn Val Ser Ala Phe Val Val Phe Ala Val Leu Pro Arg Asp Thr
 465 470 475 480

Glu Pro Glu Pro Gly Pro Leu Asp Ala Ile Arg Arg Ala Ala Arg Ile
 485 490 495

Cys Gly Cys Pro Phe Ala Val Val Gly Glu Thr Cys Glu Glu Pro Gly
 500 505 510

Ile Gln Phe Val Asn Asp Leu Glu Leu Trp Asn Pro Gly Ala Trp Pro
 515 520 525

Ile Arg Gln Pro Thr Ser Ala Glu Val Ile Ala Thr Phe Gly Phe Asp
 530 535 540

Glu Gln Pro Val Ser Ser Asn Trp Leu Val Arg Pro Glu Glu Pro Glu
 545 550 555 560

Glu Gly Gly Glu Gln Ala Pro Ser Pro Thr Asp Trp Gly Leu Phe Arg
 565 570 575

Leu Ala Ser Val Val Asp Gln Leu Leu Arg Cys Pro Thr Val Gly Ser
 580 585 590

Lys Glu Phe Val Thr Arg His Val Asp Arg Cys Ser Asn Gly Leu Val
 595 600 605

Ala Gln Gln Cys Glu Val Gly Pro Leu Gly Arg Pro Leu Ser Asp Tyr
 610 615 620

His Ile Val Asn His Thr Ala Val Phe Thr Asp Arg Met Ala Arg Val
 625 630 635 640

Pro Ile His Arg Pro Gln Pro Ile Thr Arg Gln Asp Ala Thr Glu Arg
 645 650 655

Leu Gly Ser Pro Glu Thr Trp Val Thr Gln Gly Arg Gly Arg Leu Arg
 660 665 670

Trp Val Gly Gln Cys Val Ala His Gly Glu Gln Ala Tyr Lys Met Gly
 675 680 685

Ile Asp Ala Ala Val Gly Ala Arg Tyr Ala Ile Cys Glu Ala Val Thr
 690 695 700

Asn Ile Met Leu Ala His Val Arg Arg Leu Ser Asp Ile Thr Leu Thr
 705 710 715 720

Ala Ser Val Gly Trp Asn Pro Glu Glu Asp Gln Ala Trp Leu Leu Gln
 725 730 735

His Ala Leu Phe Ala Cys Lys Glu Leu Cys Arg Asp Leu Ser Val Asn
 740 745 750

Phe Ala Ile Thr Ser Ala Gly Ser Thr Pro Cys Leu Ser Glu Glu Leu
 755 760 765

Ile Ser Ala Thr Gln Gln His Gln Thr Val Ala Pro Val Pro Phe Asn
 770 775 780

Ala Val Ile Ile Thr Ala Thr Ala Glu Val Lys Ser Ser Arg Arg Arg
 785 790 795 800

Val Thr Pro Asp Leu Lys Ala Thr Gly Asn Leu Leu Val Leu Val Thr
 805 810 815

Phe Pro Gly Pro His Leu Thr Gln Gly Ser Thr Phe Glu His Leu Cys
 820 825 830

Leu Leu Pro Ser Pro Thr Leu Pro Asp Val Gln Ala Thr His Leu Ala
 835 840 845

Asn Leu Phe Met Leu Thr Glu Ser Met Leu Ser Arg Gly Leu Val Val
 850 855 860

Ser Gly His Asp Val Ser Asp Gly Gly Val Val Val Thr Ala Ile Glu
 865 870 875 880

Met Ala Leu Ala Gly Asn Arg Gly Leu Gln Ile Cys Ile Pro Ser Glu
 885 890 895

Glu Thr Pro Leu Pro Trp Leu Val Ser Glu Thr Pro Gly Val Ile Phe
 900 905 910

Glu Ile Leu Pro Gln His Val Asp Glu Val Arg Gln Ala Cys Gln Asn
 915 920 925

Phe Asp Cys Gln Ala Thr Val Cys Gly Thr Val Gly Gln Glu Gly Leu
 930 935 940

Ser Glu Arg Ile Val Ile Ser His Asn Asn Glu Glu Val Tyr Ser Gln
 945 950 955 960

Thr Leu Thr Ser Val Ala Ala Asn Trp Thr Ser Phe Ser Asp Glu Gln
 965 970 975

Trp Tyr Ser Trp Gly Pro Ser Phe Thr Pro Ala Gln Glu Leu Tyr Arg
 980 985 990

Lys Asp Tyr Gly Cys Asn Arg His Asn Leu Gly His Leu Ala Asp Val
 995 1000 1005

Cys Arg Asn Ser Glu Leu Thr Leu Phe Ala Val Pro Ser Arg Pro
 1010 1015 1020

Pro Ala Val Ala Ala Leu Ile Ala Pro Gly Ala Pro Leu Pro Arg
 1025 1030 1035

Ala Leu Met Ala Ala Phe Thr Asn Val Gly Phe Asp Val Ala Ala
 1040 1045 1050

Val Ser Thr Asn Asp Leu Arg Gly Gly Asn Ile Leu Arg Gly Phe
 1055 1060 1065

Ser Gly Leu Thr Ile Gly Gly Asn Val Gly Ile Glu Asp Ser Tyr
 1070 1075 1080

Val Gly Ala Arg Cys Ala Ile Met Gly Leu Leu Asn Asp Pro Gly
 1085 1090 1095

Cys Tyr	Gly Gly	Leu Met	Ala	Phe Phe	Arg Arg	Ala	Asp Thr	Phe
1100			1105			1110		
Ser Leu	Cys Cys	Gly Glu	Phe	Gly Phe	Gln Leu	Leu	Gly Ala	Leu
1115			1120			1125		
Gly Leu	Leu Arg	Glu Thr	Pro	His Asp	Thr Pro	Gly	Pro Lys	Thr
1130			1135			1140		
Pro Asp	Gln Trp	Asp Ile	His	Leu Glu	Glu Asn	Ala	Ser Gly	Asn
1145			1150			1155		
His Glu	Cys Leu	Trp Leu	Asn	Leu His	Ile Pro	Gln	Thr Thr	Ile
1160			1165			1170		
Ser Ile	Met Phe	Arg Val	Leu	Arg Gly	Leu Val	Leu	Pro Gly	Trp
1175			1180			1185		
Ala Asn	Gly Arg	Tyr Leu	Gly	Val Arg	Tyr Pro	Arg	Asp Ala	Ile
1190			1195			1200		
Glu Tyr	His Leu	Asn Gln	Gln	Gln Arg	Ile Ala	Leu	Asn Phe	His
1205			1210			1215		
Thr Gly	Asn Pro	Asp Pro	Arg	Met Phe	Ala Gln	His	Tyr Pro	Arg
1220			1225			1230		
Asn Pro	Ser Ala	Asn Ser	Ala	Val Ala	Ala Ile	Thr	Ser Pro	Asp
1235			1240			1245		
Gly Arg	His Leu	Ala Ser	Leu	Val Asp	Pro Ala	Val	Val Phe	His
1250			1255			1260		
Pro Trp	Gln Trp	Ala Tyr	Val	Pro Pro	Glu Leu	Ala	Asp Met	Thr
1265			1270			1275		
Ile Ser	Pro Trp	Ala Leu	Ala	Phe Gln	Ser Leu	Phe	Leu Trp	Cys
1280			1285			1290		
Val Arg	Asn Arg	Gln						
1295								

<210> 163
 <211> 90
 <212> PRT
 <213> Japanese Macaque Herpesvirus

<400> 163

Met Arg Asn His Gly Ser Ser Gln Arg Pro Trp Val Leu Trp Gly Pro
1 5 10 15

Tyr Gly Ile Leu Pro Pro Ser Gly Tyr Ile Phe Thr Val Leu Arg Gly
20 25 30

Val Trp Val Pro Ala Pro Gly Gly Ala Arg Ser Thr Gln Arg Asn Pro
35 40 45

Ser Arg His Ala Arg Ala Gln Asn Pro Arg Pro Val Gly His Pro Pro
50 55 60

Gly Gly Glu Arg Ile Arg Glu Pro Arg Val Pro Leu Ala Lys Pro Pro
65 70 75 80

His Pro Pro Asp His His Gln His Asn Val
85 90

<210> 164

<211> 84

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 164

Met Pro Thr Phe Pro Pro Met Val Lys Pro Glu Asn Pro Arg Arg Met
1 5 10 15

Phe Pro Pro Leu Arg Ser Leu Val Glu Thr Ala Ala Thr Ser Asn Pro
20 25 30

Thr Leu Val Asn Ala Ala Ile Ser Ala Leu Gly Ser Gly Ala Pro Gly
35 40 45

Ala Ile Arg Ala Ala Thr Ala Gly Gly Leu Asp Gly Thr Ala Asn Ser
50 55 60

Val Ser Ser Leu Phe Leu Gln Thr Ser Ala Arg Trp Pro Arg Leu Cys
65 70 75 80

Arg Leu His Pro

<210> 165

<211> 107

<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 165

Met Thr Ile Leu Ser Asp Arg Pro Ser Trp Pro Thr Val Pro His Thr
1 5 10 15

Val Ala Trp Gln Ser Lys Phe Trp His Ala Trp Arg Thr Ser Ser Thr
20 25 30

Cys Trp Gly Arg Ile Ser Lys Ile Thr Pro Gly Val Ser Asp Thr Ser
35 40 45

His Gly Arg Gly Val Ser Ser Asp Gly Met Gln Ile Cys Arg Pro Arg
50 55 60

Leu Pro Ala Arg Ala Ile Ser Ile Ala Val Thr Thr Thr Pro Pro Ser
65 70 75 80

Leu Thr Ser Trp Pro Asp Thr Thr Arg Pro Arg Glu Ser Ile Asp Ser
85 90 95

Val Ser Ile Lys Arg Leu Ala Arg Cys Val Ala
100 105

<210> 166
<211> 131
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 166

Met Ala Lys Phe Thr Leu Arg Ser Arg His Ser Ser Leu Gln Ala Asn
1 5 10 15

Ser Ala Cys Cys Ser Ser Gln Ala Trp Ser Ser Ser Gly Phe Gln Pro
20 25 30

Thr Asp Ala Val Ser Val Met Ser Leu Arg Arg Arg Thr Cys Ala Ser
35 40 45

Met Met Leu Val Thr Ala Ser Gln Met Ala Tyr Leu Ala Pro Thr Ala
50 55 60

Ala Ser Met Pro Ile Leu Tyr Ala Cys Ser Pro Trp Ala Thr His Cys
65 70 75 80

Pro Thr His Leu Ser Leu Pro Leu Pro Trp Val Thr Gln Val Ser Gly
85 90 95

Leu Pro Arg Arg Ser Val Ala Ser Cys Leu Val Ile Gly Trp Gly Arg
100 105 110

Cys Met Gly Thr Arg Ala Ile Leu Ser Val Asn Thr Ala Val Trp Leu
115 120 125

Thr Met Trp
130

<210> 167
<211> 160
<212> PRT
<213> Japanese Macaque Herpesvirus

<400> 167

Met Pro Phe Cys Arg Arg Arg Gly Asn Leu Arg Arg Ala Gly Asn Pro
1 5 10 15

Val Arg Glu Arg Pro Arg Ala Val Glu Pro Gly Ser Val Ala Asp Gln
20 25 30

Thr Ala Asp Leu Gly Arg Ser Asp Arg Asn Phe Trp Val Arg Arg Ala
35 40 45

Ala Arg Phe Leu Gln Leu Ala Gly Ala Pro Arg Arg Thr Gly Gly Gly
50 55 60

Arg Arg Thr Gly Thr Leu Ala Asp Arg Leu Gly Pro Ile Pro Pro Gly
65 70 75 80

Leu Arg Gly Arg Ser Ala Ser Ala Met Ser Asn Arg Arg Gln Gln Arg
85 90 95

Val Cys His Ala Thr Cys Gly Gln Met Leu Gln Arg Thr Arg Ser Ser
100 105 110

Ala Val Arg Ser Gly Thr Pro Gly Pro Thr Ala Val Arg Leu Pro His
115 120 125

Arg Gln Pro His Gly Gly Val Tyr Gly Gln Asn Gly Ala Gly Ala His
130 135 140

Thr Ser Pro Pro Thr Asp His Gln Ala Gly Arg Asp Gly Thr Pro Gly

Tyr Val Ala Ile Leu Leu Leu Phe Ile Ile Asn Arg Gly Asn Ile Tyr
65 70 75 80

Glu Glu Ile Asn Cys Leu Phe Phe Val Thr Ala Leu Ile Gly Met Tyr
85 90 95

Ala Val Thr Glu Ala Ser Thr Thr Ser Ser Leu Thr Met Ala Leu Ala
100 105 110

Tyr Ser Ile Ile Thr Ala Asn Thr Gly Ile Phe
115 120

<210> 170

<211> 85

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 170

Met Ala Cys Asn Cys Pro Phe Phe Val Trp Cys Thr Trp Leu Phe Ser
1 5 10 15

Asn Ile Leu Thr Gly Thr Phe Trp Leu Ile Ser Leu Ala Gln Tyr Ala
20 25 30

Cys Asp Asn Asn Lys Asp Leu Tyr Ile Val Ala Val Ser Thr Val Ala
35 40 45

Cys Phe Phe Phe Leu Trp Lys Ser Leu Gly Leu Tyr Phe Tyr Gln Ser
50 55 60

Arg Ser Gln Arg Leu Asn Thr Pro Leu Leu Lys Leu Ile Pro Trp Ile
65 70 75 80

Thr Gly Met Thr Leu
85

<210> 171

<211> 144

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 171

Met Pro Gly Gly Gly Arg Pro Ala Ser Gly Ala Ala Arg Arg Gly Leu
1 5 10 15

Trp Gly Pro Gly Leu Gly Gly Arg Arg Gly Ala Ala Pro Pro Gly Ser

20

25

30

Ala Gly Pro Gly Arg Ser Arg Glu Ser Ala Gly Pro Gly Gly Ala Gly
35 40 45

Pro Gly Gly Gly Pro Gly Pro Pro Arg Asp Pro Arg Pro Arg Glu Pro
50 55 60

Lys Ala Ala Arg Arg Ala Ala Arg Gly Gly Arg Gly Arg Arg Pro Arg
65 70 75 80

Ala Arg Ala Gly Arg Ala Glu Gly Arg Glu Pro Gly Glu Ala Gly Gly
85 90 95

Ala Pro Leu Gly Gly Pro Gly Ala Ala Arg Glu Thr Leu Ala Pro Gly
100 105 110

Ala Arg Trp Arg Pro Arg Pro Arg Ala Ala Ala Gly Arg Ala Pro Gly
115 120 125

Gly Pro Arg Arg Ala Pro Pro Leu Gly Ala Leu Ala Trp Arg Arg Cys
130 135 140

<210> 172

<211> 91

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 172

Met Pro Gly Gly Arg Arg Pro Ala Trp Arg Ser Ser Ala Gly Leu Pro
1 5 10 15

Ser Pro Thr Ser Pro Arg Lys Val Val Ser Ala Pro Pro Gly Gly Gly
20 25 30

Leu Gly Pro Gly Ala Pro Arg Arg Gly Arg Pro Arg Gly Ala Thr Glu
35 40 45

Gly Pro Gly Arg Thr Gly Asp Arg Glu Asn Ala Arg Gly Gly Gly Gly
50 55 60

Gln Arg Gly Thr Cys Ala Cys Leu Trp Asn Thr Met Ala Cys Trp Pro
65 70 75 80

Ala Arg Leu Leu Gly Ser Leu Gln Ala Cys Cys
85 90